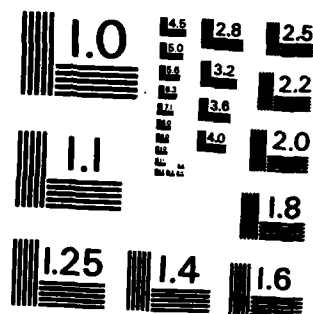


MANSFIELD/LAMB MAP OHIO REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82
USAFETAC/DS-82/048 SBI-AD-ES80 207 F/G 4/2

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**DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

**MANFIELD/LAHM MAP, OH
N 40 49 W 082 31**

1296 FT

**MSC# 725246
MFD**

PARTS A-F

FOR: FROM HOURLY OBS JAN 73 - DEC 81

FOR: FROM DAILY OBS JAN 49 - DEC 54, JAN 60 - DEC 81

TIME CONVERSION GMT TO LST -5

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Wayne E. McCollom

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23 AUG 1992

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSMO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSMO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSMO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for MANSFIELD/LAHM MAP, OHIO It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
OHIO MANSFIELD MAP, OHIO
LAHM MAP, OHIO
20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WFO NUMBER
725246	MANSFIELD/LAHM MAP, OH	N 40 49	W 82 31	1297	MFD	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARO.	
1.	Mansfield/LAHM MAP OH	CAA	Oct 47	Jul 56	N 40 49	W 82 31	1297	1301	24
2.	Same	SAWRS	Jul 56	Nov 59	Same	W 82 32	1296	Same	14
3.	Same	Same	Nov 59	Oct 61	Same	W 82 31	Same	Same	14
4.	Same	FAA	Oct 61	Sep 80	Same	Same	Same	1300	24*
5.	Same	WSO-LAWRS	Sep 80	May 82	Same	Same	1297	Same	24
* 24 Obs daily: NWS 0600-1800E and LAWRS 1900E-0500E daily									

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Oct 47	Center of field	F420C	F312	20	
2.	Sep 80	Same	Same	Same	20	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorms, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION 0340 STATION NAME MANSFIELD LAHM MAP OH 73-81 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		6.3	.9	22.0		29.1	14.9	5.7	3.8		23.4	819
	03-05		4.6	1.0	22.8		28.2	15.9	4.8	3.3		23.4	811
	06-08	.1	4.6	1.7	27.1		32.9	22.5	5.2	4.5		31.7	827
	09-11		6.0	.6	28.3		34.5	27.3	12.9	6.5		46.0	820
	12-14		5.2	1.0	25.6		30.9	23.1	10.5	6.7		39.6	810
	15-17		5.6	1.2	27.4		33.9	19.6	8.0	5.1		32.4	822
	18-20	.1	5.3	.6	22.0		26.0	15.6	5.7	3.9		25.7	826
	21-23		5.8	.7	22.3		28.7	13.9	4.4	3.0		20.6	821
TOTALS		.0	5.4	1.0	24.7		30.8	19.1	7.3	4.6		30.4	6556

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

246 STATION MANSFIELD LAHM MAP OH 73-81 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.1	6.1	.1	14.7		21.0	15.8	7.6	1.2		27.1	748
	03-05	.1	5.6	.1	19.2		24.8	17.0	5.9	.4		22.1	751
	06-08		4.2	.5	22.0		26.7	22.4	6.6	.7		28.8	754
	09-11	.1	4.9	.5	23.2		28.6	25.2	11.6	1.3		37.3	751
	12-14	.4	5.9	.3	18.9		24.7	15.1	11.7	2.0		26.8	746
	15-17	.1	6.5	.8	21.1		27.5	15.7	8.7	2.5		26.9	750
	18-20	.1	7.2	.4	16.2		23.7	15.2	8.1	1.2		24.2	752
	21-23	.1	6.5	.9	15.4		22.9	13.7	7.7	1.1		22.1	751
TOTALS		.1	5.9	.5	18.8		25.0	17.5	8.5	1.3		26.7	6003

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

720246 MANSFIELD LAHM MAP OH 73-81 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.5	11.5		6.4		17.9	13.9	3.9	.4		17.8	826
	03-05	.5	10.7	.6	6.9		18.1	16.1	3.4	.2		19.3	822
	06-08	.4	11.4	.7	8.5		20.4	22.6	6.3	.2		28.8	822
	09-11	.2	8.6		12.5		21.0	18.3	10.3	.2		28.3	827
	12-14	.4	8.5		10.6		19.1	13.2	10.9	.1		23.9	824
	15-17	.4	10.2		9.6		19.3	10.8	10.7	.4		21.7	823
	18-20	.7	11.9		8.6		20.3	13.2	8.7	.4		22.2	818
	21-23	.5	12.8		6.8		19.5	11.8	4.8	.4		16.7	821
TOTALS		.5	10.7	.2	8.7		19.5	15.0	7.4	.3		22.3	6583

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

74-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.6	9.9		2.0		11.9	11.2	4.1			14.8	789
	03-05	.3	9.3		1.5		10.8	13.3	2.8			15.5	795
	06-08	.1	10.9		3.1		13.5	24.2	5.6	.1		29.2	798
	09-11	.4	10.7		4.3		14.3	16.5	7.5	.3		24.2	798
	12-14	.4	12.7		3.0	.1	15.3	10.5	6.3	.1		17.0	790
	15-17	.7	10.1		2.7		12.6	9.4	6.4			15.5	801
	18-20	1.1	12.0		1.3		13.3	9.2	9.1		.3	18.2	790
	21-23	.9	11.9		1.6		13.5	9.1	6.6			15.8	800
TOTALS		.6	10.9		2.4	.0	13.2	12.9	6.1	.1	.0	18.8	6361

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

720246 MANSFIELD LAHM MAP OH 73-81 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.5	9.0				9.0	17.1	8.0			24.5	824
	03-05		8.4				8.4	25.8	7.2			31.3	830
	06-08	.4	12.2				12.2	32.3	10.0			40.2	826
	09-11	.4	9.7		.2		10.0	14.1	13.9			27.4	821
	12-14	.4	10.5				10.5	9.9	11.1			20.5	821
	15-17	1.6	8.6				8.6	7.8	10.9			18.6	823
	18-20	2.8	12.6				12.6	13.0	15.2			27.5	816
	21-23	1.1	13.0				13.0	15.6	9.8			24.4	820
TOTALS		.9	10.5		.0		10.5	17.0	10.8			26.8	6581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

700246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	2.4	6.3				6.3	12.7	15.1			24.5	795
	03-05	1.2	5.1				5.1	24.0	15.9			35.0	801
	06-08	1.1	5.7				5.7	27.8	21.5			45.0	795
	09-11	.9	5.1				5.1	8.3	21.3			28.7	797
	12-14	3.1	8.0				8.0	4.4	20.1			24.3	797
	15-17	2.9	7.4				7.4	3.9	17.6			21.4	795
	18-20	4.0	5.0				5.0	5.0	24.8			29.1	794
	21-23	4.0	8.1				8.1	7.3	22.3			27.5	799
TOTALS		2.5	6.3				6.3	11.7	19.8			29.4	6373

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

12246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	1.0	3.5				3.5	13.2	20.9			32.8	819
	03-05	1.0	3.5				3.5	23.8	20.6			40.2	819
	06-08	1.1	5.4				5.4	32.1	24.5			50.9	819
	09-11	.8	3.6				3.6	10.3	30.8			39.8	825
	12-14	1.6	5.2				5.2	3.8	27.3			30.7	823
	15-17	3.3	6.0				6.0	2.7	24.6			27.2	828
	18-20	2.4	5.0				5.0	5.7	29.5			34.2	821
	21-23	.7	4.1				4.1	10.1	25.9			34.1	821
TOTALS		1.5	4.5				4.5	12.7	25.5			36.2	6575

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

73-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.8	6.1				6.1	18.0	25.0			49.7	743
	03-05	1.1	6.9				6.9	32.1	22.3			49.8	795
	06-08	1.5	7.9				7.9	49.3	25.7			65.3	822
	09-11	.4	7.5				7.5	19.7	34.8			53.6	814
	12-14	1.5	6.1			.1	6.1	7.5	31.4			38.9	915
	15-17	2.7	6.2				6.2	4.5	29.6			33.9	918
	18-20	2.9	6.5				6.5	8.2	36.5			43.2	820
	21-23	3.1	6.7				6.7	12.7	30.8			41.0	765
TOTALS		1.8	6.7			.0	6.7	19.0	29.5			45.8	6389

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

WEATHER CONDITIONS

730246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.1	5.1				5.1	16.0	16.7			29.3	707
	03-05	.4	6.4				6.4	21.3	12.7			30.6	765
	06-08	.3	10.0				10.0	36.9	14.8			47.7	792
	09-11	.5	8.6				8.6	17.7	22.6			38.6	798
	12-14	.8	6.4				6.4	7.0	22.5			29.4	796
	15-17	.9	6.2				6.2	6.3	16.3			22.6	792
	18-20	1.5	7.1				7.1	8.5	21.7			29.2	791
	21-23	1.4	6.0				6.0	10.9	16.0			25.3	764
TOTALS		.7	7.0				7.0	15.6	17.9			31.6	6205

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

70246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		9.0		1.1		10.1	13.4	4.5			17.3	733
	03-05	.1	9.4		1.0		10.1	19.4	4.0			22.6	784
	06-08	.4	9.4		.6		9.9	27.3	5.6			31.6	927
	09-11		9.5		1.2		10.6	18.8	11.6			29.0	817
	12-14		8.3		1.3		9.0	8.6	9.6			16.2	622
	15-17	.4	9.5		.9		9.8	7.9	7.7			15.6	820
	18-20		9.3		.4		9.7	8.4	8.3			16.6	824
	21-23		9.9		.6		10.4	9.7	4.9			14.4	790
TOTALS		.1	9.3		.9		10.0	14.2	7.0			20.7	6417

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

WEATHER CONDITIONS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		6.8	.6	6.2		13.3	9.9	4.2			13.8	708
	03-05	.3	6.4	.5	6.0		12.8	12.5	3.4			15.7	734
	06-08	.1	8.8	.5	7.7		16.9	19.2	4.4			22.7	797
	09-11		11.5	.1	9.1		20.3	20.0	10.1			28.9	802
	12-14	.1	11.5		8.4		19.7	11.6	8.1			19.5	793
	15-17		9.8		10.0		19.4	12.2	6.1			18.3	792
	18-20	.4	10.3		8.0		18.1	12.6	3.4			16.0	796
	21-23	.4	9.0	.1	5.7		14.6	9.5	4.9	.3		14.4	793
TOTALS		.2	9.3	.2	7.6		16.9	13.4	5.6	.0		16.7	6215

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

77-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		7.0	.7	12.8		20.3	17.8	1.5	.7		20.0	729
	03-05		8.4	1.0	13.6		23.0	17.1	1.0	.7		18.7	766
	06-08		11.3	.8	16.9		28.8	21.4	2.1	.7		23.7	824
	09-11		8.6	.7	21.6		30.5	28.1	5.3	.8		33.6	825
	12-14		7.8	.2	21.6		28.9	20.5	6.8	1.5		28.6	819
	15-17		8.3	.7	20.0		28.2	19.6	5.4	1.5		26.3	815
	18-20	.1	8.6	.9	16.3		25.6	21.4	3.1	1.4		25.4	814
	21-23	.1	6.9	.6	16.4		23.9	18.6	2.0	.9		21.1	816
TOTALS		.0	8.4	.7	17.4		26.2	20.6	3.4	1.0		24.7	6408

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

720246

MANSFIELD LAHM MAP OH

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	ALL	.0	5.4	1.0	24.7		30.8	19.1	7.3	4.6		30.4	6556
FEB		.1	5.9	.5	18.8		25.0	17.5	8.5	1.3		26.7	6003
MAR		.5	10.7	.2	8.7		19.5	15.0	7.4	.3		22.3	6583
APR		.6	10.9		2.4	.0	13.2	12.9	6.1	.1	.0	18.8	6361
MAY		.9	10.5		.0		10.5	17.0	10.8			26.8	6581
JUN		2.5	6.3				6.3	11.7	19.8			29.4	6373
JUL		1.5	4.5				4.5	12.7	25.5			36.2	6575
AUG		1.8	6.7			.0	6.7	19.0	29.5			45.8	6389
SEP		.7	7.0				7.0	15.6	17.9			31.6	6205
OCT		.1	9.3		.9		10.0	14.2	7.0			20.7	6417
NOV		.2	9.3	.2	7.6		16.9	13.4	5.6	.0		18.7	6215
DEC		.0	8.4	.7	17.4		26.2	20.6	3.4	1.0		24.7	6408
TOTALS		.7	7.9	.2	6.7	.0	14.7	15.7	12.4	.6	.0	27.7	76666

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WEAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XX **WEATHER CONDITIONS**
XXXXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

49-54, 60-81

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.1	33.0	9.1	51.7	.1	70.7	40.5	42.3	8.7		66.5	349
FEB		1.8	28.5	6.1	52.9		68.1	42.3	45.0	8.3		66.3	771
MAR		7.1	42.8	3.4	40.1	.4	69.7	41.7	39.7	3.8		61.0	818
APR		13.0	55.6	.7	16.2	1.0	62.5	41.0	30.5	.2		52.1	826
MAY		17.0	54.3		1.3	1.4	54.4	41.1	36.3			53.5	645
JUN		23.5	49.3			.7	49.3	40.6	49.5		.1	59.5	808
JUL		23.1	44.5			.5	44.5	44.1	53.4			61.2	827
AUG		18.9	43.5			.6	43.5	54.0	62.5			72.2	830
SEP		11.4	42.3		.1	.1	42.3	49.4	50.9			64.8	796
OCT		3.2	40.5		4.4	.1	42.3	39.4	38.6		.1	53.7	834
NOV		2.3	43.1	2.1	29.4		61.1	44.0	37.5	1.1		59.5	600
DEC		.7	35.8	9.2	51.5	.2	73.7	45.5	37.4	4.7		65.6	826
TOTALS		10.3	42.8	2.5	20.6	.4	56.8	43.6	43.6	2.2	.0	61.3	6830

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

725246

MANSFIELD LAHM MAP OH

49-54, 60-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	26.5	28.1	6.9	13.7	7.1	7.9	5.3	3.1	1.2	.1				45.4	868	2.58	11.47	.41	
FEB	30.1	26.0	6.3	12.9	9.1	6.8	5.6	2.4	.6	.1				43.9	791	1.99	5.36	.29	
MAR	30.2	21.4	5.4	13.1	6.5	10.6	7.7	4.0	1.0					48.4	868	3.03	7.04	1.16	
APR	38.6	14.6	4.8	9.5	6.0	11.4	8.0	5.4	1.8					46.8	840	3.54	6.58	.75	
MAY	47.0	13.2	2.8	6.9	6.1	9.2	7.4	5.2	2.2					39.7	868	3.59	6.27	1.07	
JUN	52.5	11.0	3.5	7.1	4.9	7.3	6.8	4.4	2.4	.2				36.5	840	3.57	10.00	1.10	
JUL	57.6	10.9	2.0	6.3	3.2	6.8	5.5	4.7	2.6	.2				31.5	868	3.55	8.06	.94	
AUG	58.3	10.7	1.5	5.1	4.0	7.1	6.1	4.4	2.6	.1				31.0	868	3.44	7.60	.63	
SEP	59.6	11.2	1.4	4.9	4.4	7.0	4.5	3.9	3.0					29.2	840	3.11	6.89	.73	
OCT	59.2	12.1	2.8	6.3	4.1	6.7	5.8	2.4	.6					28.7	868	1.86	4.89	.43	
NOV	41.0	17.3	4.3	11.2	6.7	8.5	6.2	4.2	.8					41.8	840	2.61	5.15	.70	
DEC	27.1	28.1	4.8	13.4	6.5	9.3	6.8	3.1	.9					44.8	868	2.67	5.73	.74	
ANNUAL	44.0	17.0	3.9	9.2	5.7	8.2	6.3	3.9	1.6	.1				39.0	10227	35.54			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

77046 MANSFIELD LAHM MAP OH
STATION STATION NAME

49-54, 60-81
YEARS

(FROM DAILY OBSERVATIONS)

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	4.36	2.46	3.87	4.43	3.15	3.95	3.76	4.97	2.35	1.59	1.18	4.12	39.66
50	11.47	5.36	2.75	3.45	2.63	3.14	4.21	2.53	4.14	2.53	4.57	3.8	49.36
51	3.22	2.25	3.41	3.06	2.73	4.18	3.61	.88	3.74	1.15	4.36	5.93	46.43
52	4.97	2.77	3.49	2.89	1.40	2.16	4.26	1.50	4.33	.67	1.64	2.72	32.12
53	2.04	1.41	2.05	2.36	4.83	1.10	6.15	2.54	3.16	.46	.77	1.93	28.14
54	2.29	1.89	3.01	5.64	1.07	3.73	2.24	4.00	.97	4.54	1.32	2.00	32.75
55	2.54	2.67	1.16	2.07	3.31	4.40	3.04	2.75	1.12	1.72	1.92	1.77	27.80
61	.65	4.28	4.47	5.21	1.50	3.99	4.05	3.20	4.49	1.23	2.92	2.36	36.37
62	2.93	1.52	1.78	1.31	1.87	3.17	3.50	3.39	3.79	1.98	2.42	1.54	29.25
63	.91	.68	4.78	2.30	1.69	1.77	3.08	3.36	.73	.43	1.34	.74	21.81
64	1.45	1.33	7.04	6.58	4.16	3.03	2.16	2.44	1.13	1.39	1.49	2.08	34.78
65	3.01	2.64	2.26	3.02	3.69	1.84	1.42	3.30	2.11	2.98	2.47	1.86	30.64
66	1.55	2.17	1.44	2.73	2.84	1.88	3.82	4.66	1.95	1.23	4.33	3.57	31.17
67	.74	1.33	3.21	2.61	4.50	1.63	3.29	1.08	4.61	1.75	2.38	2.76	29.89
68	2.27	.48	2.40	1.84	6.27	3.94	3.13	1.56	2.76	.78	4.01	3.17	32.11
69	2.41	.74	1.25	5.50	6.15	3.68	8.06	2.36	2.70	1.82	3.25	1.55	39.47
70	1.12	.93	1.27	5.27	5.17	1.86	5.67	.63	4.65	2.69	3.24	2.39	34.79
71	1.41	2.58	1.78	.75	4.24	1.29	3.79	2.16	2.41	1.15	1.11	3.42	26.10
72	.95	1.15	2.49	5.98	3.77	3.75	3.11	5.74	6.85	1.52	4.30	2.79	41.70
73	1.83	1.39	4.21	3.35	4.15	7.07	4.35	4.90	1.38	3.59	3.19	2.85	41.36
74	3.59	1.59	4.14	2.47	5.65	1.90	2.93	7.60	3.41	.79	5.15	2.64	41.86
75	3.33	3.74	2.69	1.95	4.01	2.36	.94	5.63	4.97	2.19	1.59	2.92	36.32
76	2.69	2.99	3.96	1.37	2.35	4.34	2.55	3.16	3.61	2.43	.70	.74	30.89
77	.79	1.17	4.26	3.25	1.99	3.69	4.93	3.40	4.56	1.75	3.04	4.15	36.98
78	3.76	.29	2.29	4.70	4.20	4.98	1.70	3.20	1.10	4.89	1.96	4.78	37.85
79	3.29	1.74	1.81	5.63	5.25	4.82	2.55	6.78	5.64	1.39	4.93	2.28	46.11
80	1.30	1.44	5.72	3.34	4.11	6.31	5.01	4.41	2.45	1.98	2.01	2.15	40.23
81	.41	3.41	1.71	5.62	4.49	10.00	2.04	5.08	4.41	2.62	1.53	3.50	44.82
MEAN	2.576	1.989	3.026	3.541	3.589	3.570	3.549	3.440	3.108	1.855	2.611	2.671	35.525
S. D.	2.121	1.179	1.442	1.619	1.454	1.932	1.511	1.722	1.629	1.113	1.338	1.132	6.509
TOTAL OBS.	868	791	868	840	868	840	868	868	840	868	840	868	10227

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

725246 MANSFIELD LAHM MAP OH

49-54, 60-81

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	44.9	25.3	11.6	11.3	3.7	1.4	.5	.8	.5					29.7	868	10.4	42.1	.7
FEB	44.8	24.5	12.4	9.7	4.7	2.0	1.1	.5	.3					30.7	791	9.7	16.1	2.0
MAR	58.2	19.6	10.1	7.7	2.4	1.2	.2	.3	.2					22.2	868	6.7	14.8	1.3
APR	83.8	8.9	4.2	2.5	.6									7.3	840	1.2	6.6	.0
MAY	98.6	1.3		.1										.1	868	.1	1.4	.0
JUN	100.0														840	.0	.0	.0
JUL	100.0														868	.0	.0	.0
AUG	100.0														868	.0	.0	.0
SEP	99.9	.1													840	TRACE	TRACE	.0
OCT	95.5	4.1	.2	.1										.3	868	.1	.6	.0
NOV	70.4	15.9	8.0	4.3	1.3	.5		.1						14.2	840	3.0	12.2	TRACE
DEC	46.9	26.8	11.4	9.2	2.5	1.0	.7	1.3		.1				26.3	868	8.9	18.0	.8
ANNUAL	78.6	10.5	4.8	3.7	1.3	.5	.2	.2	.1	.0				10.9	10227	40.2		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATD WEATHER SERVICE/MAC

EXTREME VALUES

SNO/FALL

725246

MANSFIELD LAHM MAP OH

49-54, 60-81

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	4.2	1.3	5.8	.6	.0	.0	.0	.0	.0	.0	.5	4.7	5.8
50	.4	1.5	1.6	.5	.0	.0	.0	.0	.0	.0	5.0	2.8	5.0
51	2.7	7.8	3.8	.1	.0	.0	.0	.0	.0	TRACE	1.0	4.7	7.8
52	1.4	3.9	.9	1.9	.0	.0	.0	.0	.0	.4	.2	3.7	3.9
53	1.7	3.8	2.5	.8	.0	.0	.0	.0	.0	.0	1.7	4.8	4.8
54	1.7	6.0	5.0	.2	TRACE	.0	.0	.0	.0	.4	1.1	1.4	6.0
60	.8	3.0	7.5	.5	TRACE	.0	.0	.0	.0	.0	2.7	4.6	7.5
61	1.6	4.0	1.5	2.4	TRACE	.0	.0	.0	.0	.0	.2	2.5	4.0
62	1.7	4.5	2.5	.7	TRACE	.0	.0	.0	.0	.6	TRACE	4.6	4.6
63	2.4	2.4	7.1	.7	TRACE	.0	.0	.0	.0	TRACE	.4	1.8	7.1
64	6.5	3.5	2.4	TRACE	.0	.0	.0	.0	.0	TRACE	1.0	4.7	6.5
65	2.8	3.6	3.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.4	3.6
66	4.8	1.6	1.1	.9	1.4	.0	.0	.0	.0	.0	3.0	2.2	4.8
67	.6	6.2	2.9	TRACE	.0	.0	.0	.0	.0	TRACE	2.5	3.2	6.2
68	10.0	2.5	3.0	.3	.0	.0	.0	.0	.0	TRACE	1.2	1.2	10.0
69	1.9	2.1	3.3	2.1	TRACE	.0	.0	.0	.0	TRACE	1.5	2.0	3.3
70	1.5	2.5	2.4	TRACE	.0	.0	.0	.0	TRACE	.0	1.5	3.0	3.0
71	2.1	8.4	3.1	TRACE	.0	.0	.0	.0	.0	.0	1.0	.9	8.4
72	2.8	2.3	2.5	1.2	.0	.0	.0	.0	.0	TRACE	1.0	5.6	5.6
73	1.4	2.7	2.6	.9	TRACE	.0	.0	.0	.0	.0	.2	4.7	4.7
74	4.6	3.3	3.4	2.1	.0	.0	.0	.0	.0	TRACE	1.8	12.3	12.3
75	3.3	2.8	3.5	.7	.0	.0	.0	.0	.0	.0	1.2	1.5	3.5
76	3.5	6.2	2.2	.8	TRACE	.0	.0	.0	.0	TRACE	2.2	3.8	6.2
77	4.9	4.1	1.5	1.1	.0	.0	.0	.0	.0	TRACE	1.8	6.0	6.0
78	8.9	3.0	2.4	TRACE	.0	.0	.0	.0	.0	TRACE	.3	.6	8.9
79	6.0	2.9	.7	.2	.0	.0	.0	.0	.0	TRACE	.4	2.5	6.0
80	1.9	3.7	1.0	.6	TRACE	.0	.0	.0	.0	TRACE	2.8	4.2	4.2
81	2.3	2.1	2.1	.0	.0	.0	.0	.0	.0	TRACE	1.1	5.7	5.7
MEAN	3.14	3.63	2.92	.69	.05	.00	.00	.00	TRACE	.65	1.33	3.58	5.91
S. D.	2.383	1.873	1.684	.702	.265	.000	.000	.000	.000	.150	1.130	2.368	2.147
TOTAL OBS.	868	791	868	840	868	840	868	868	840	868	840	868	10227

NOTE * (BASED ON LESS THAN FULL MONTHS)

1216 WS 1200 0-00-5 (OL1)

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 XXXXXXXXXXXXXXXXXXXXX
 MONTHLY SNOWFALL

121246 MANSFIELD LAHM MAP OH

49-54, 60-81

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	6.4	2.0	13.2	1.0	.0	.0	.0	.0	.0	.0	1.1	6.2	20.5
50	.7	4.4	3.7	1.6	.0	.0	.0	.0	.0	.0	12.2	1.4	35.0
51	13.2	9.2	7.4	.2	.0	.0	.0	.0	.0	TRACE	4.6	13.2	47.8
52	5.2	5.9	2.8	2.3	.0	.0	.0	.0	.0	.4	.4	6.1	23.1
53	8.6	5.0	4.6	2.8	.0	.0	.0	.0	.0	.0	3.7	6.4	31.1
54	3.3	9.4	9.6	.2	TRACE	.0	.0	.0	.0	.4	2.6	4.4	29.9
60	1.5	14.6	14.8	1.0	TRACE	.0	.0	.0	.0	.0	3.7	12.6	48.2
61	7.9	8.8	1.7	6.6	TRACE	.0	.0	.0	.0	.0	.4	5.8	31.2
62	5.4	14.8	7.0	1.4	TRACE	.0	.0	.0	.0	.6	TRACE	14.0	47.2
63	12.4	11.6	14.8	.9	TRACE	.0	.0	.0	.0	.0	TRACE	1.2	48.8
64	17.0	16.1	8.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.9	51.5
65	11.3	10.8	10.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.8	33.1
66	8.0	5.8	3.6	2.7	1.4	.0	.0	.0	.0	.0	6.2	6.3	34.0
67	1.4	12.8	11.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5	37.1
68	21.3	8.1	8.1	.3	.0	.0	.0	.0	.0	.0	TRACE	1.9	47.2
69	4.0	7.4	5.5	2.1	TRACE	.0	.0	.0	.0	.0	TRACE	3.7	34.4
70	10.7	5.0	4.3	TRACE	.0	.0	.0	.0	TRACE	.0	1.7	5.4	27.1
71	7.2	15.9	13.5	TRACE	.0	.0	.0	.0	.0	.0	2.8	1.7	41.1
72	7.1	9.9	5.9	1.4	.0	.0	.0	.0	.0	TRACE	4.4	9.1	37.8
73	3.2	9.0	3.3	1.3	TRACE	.0	.0	.0	.0	.0	.2	11.0	28.0
74	8.1	11.0	6.3	2.7	.0	.0	.0	.0	.0	TRACE	5.2	16.8	50.1
75	10.1	12.4	8.9	.7	.0	.0	.0	.0	.0	.0	2.7	6.2	41.0
76	14.0	10.8	2.2	1.7	TRACE	.0	.0	.0	.0	TRACE	4.7	12.8	46.2
77	24.8	10.0	2.0	1.4	.0	.0	.0	.0	.0	TRACE	4.2	16.8	59.2
78	42.1	9.6	4.9	TRACE	.0	.0	.0	.0	.0	TRACE	.3	1.3	58.2
79	20.5	10.9	1.3	.3	.0	.0	.0	.0	.0	TRACE	.4	5.5	38.9
80	6.3	12.6	1.7	.6	TRACE	.0	.0	.0	.0	TRACE	7.4	11.5	40.6
81	9.9	7.1	7.5	.0	.0	.0	.0	.0	.0	TRACE	3.3	16.1	43.9
MEAN	10.42	9.68	6.73	1.19	.05	.00	.00	.00	TRACE	.05	3.01	8.93	40.04
S.D.	8.663	3.556	4.099	1.404	.265	.000	.000	.000	.000	.150	2.683	4.739	9.465
TOTAL OBS.	868	791	868	840	868	840	868	868	840	868	840	868	10227

NOTE * (BASED ON LESS THAN FULL MONTHS)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

725246

MANSFIELD LAHM MAP OH

52-54, 60-81

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	28.5	22.3	12.0	8.1	6.9	12.9	7.8	1.6						49.2	744			
FEB	29.2	20.2	14.6	9.0	8.1	11.9	4.9	2.1						50.6	678			
MAR	59.1	20.0	7.1	3.5	3.0	4.0	3.2							20.8	744			
APR	92.2	5.7	1.7	.4										2.1	720			
MAY	99.7	.3													744			
JUN	99.9	.1													720			
JUL	100.0														775			
AUG	100.0														775			
SEP	100.0														750			
OCT	99.2	.6	.1											.1	775			
NOV	81.7	11.7	4.9	.9	.7									6.5	750			
DEC	39.1	26.6	13.4	8.1	4.4	5.3	2.8	.3						34.3	775			
ANNUAL	77.4	9.0	4.5	2.5	1.9	2.6	1.6	.3						13.6	8950			

USAFETAC FORM 0-15-5 (OL A)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

20

SND. DEPTH

735246	MANSFIELD LAHM MAP OH
STATION	STATION NAME

52-54, 59-81

YEARS

1
2
3
4
5
6
7
8
9
10
11
12
13

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
52											TRACE	3	
53	4	4	3	1	0	0	0	0	0	0	1	4	
54	1	1	9	TRACE	0	0	0	0	0	TRACE	1	2	
55	1	4	12	TRACE	0	TRACE	0	0	0	0	3	9	15
56	4	6	1	2	0	0	0	0	0	0	TRACE	4	
57	4	5	3	1	0	0	0	0	0	0	0	12	
58	6	5	11	TRACE	TRACE	0	0	0	0	0	TRACE	4	
59	10	5	2	2	0	0	0	0	0	0	1	5	
60	5	4	4	TRACE	0	0	0	0	0	0	TRACE	TRACE	
61	5	5	2	1	TRACE	0	0	0	0	0	3	4	
62	1	6	4	TRACE	0	0	0	0	0	0	1	3	
63	15	3	5	0	0	0	0	0	0	0	TRACE	2	15
64	7	3	1	TRACE	0	0	0	0	0	0	1	3	
65	2	8	4	0	0	0	0	0	0	0	1	1	
66	3	5	3	1	0	0	0	0	0	0	1	6	
67	2	3	3	1	0	0	0	0	0	0	TRACE	6	
68	11	4	5	2	0	0	0	0	0	TRACE	1	14	14
69	3	6	4	TRACE	0	0	0	0	0	0	1	2	
70	4	7	1	1	0	0	0	0	0	0	2	4	
71	12	15	TRACE	1	0	0	0	0	0	0	3	10	15
72	22	20	9	0	0	0	0	0	0	TRACE	TRACE	1	22
73	7	8	2	TRACE	0	0	0	0	0	0	TRACE	4	
74	3	7	2	TRACE	0	0	0	0	0	TRACE	3	4	
75	5	4	2	0	0	0	0	0	0	0	2	6	
MEAN	5.1	5.9	3.9	.5	TRACE	TRACE	.0	.0	.0	.0	1.0	4.7	8.5
S. D.	5.000	4.025	2.983	.721	.000	.000	.000	.000	.000	.200	1.360	3.385	4.205
TOTAL OBS.	744	678	744	720	744	720	775	775	750	775	750	775	8950

NOTE * BASED ON LESS THAN FULL MONTHS

1210 WS 5-22-68 0-26-3 (OL1)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VBEL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

20

SURFACE WINDS

YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88-5 (OLI)

9 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.9	.5	.1							2.6	8.4
NNE		.4	.2	.6	.1							1.3	10.5
NE		2.0	.4		.2							2.6	6.9
ENE	.1	.5	.7	.2								1.6	7.8
E		.9	.9	.4								2.1	7.8
ESE		.9	1.1	.2								2.2	7.8
SE	.1	.4	1.5	1.0	.1							3.1	9.6
SSE	.2	.4	.7	2.3	.7	.1						4.5	12.8
S		2.4	2.8	4.4	.7	.1	.1					10.6	10.9
SSW	.1	1.0	2.7	4.4	.4	.4						8.9	11.8
SW	.2	1.6	4.0	4.9	1.0	.2						12.0	11.6
WSW		2.0	5.7	8.9	1.8	.2						18.7	11.9
W		2.0	5.1	6.7	1.1	.1	.2					15.3	11.4
WNW		1.0	2.9	2.0	.1							6.0	9.7
NW	.1	.4	2.3	.7	.1	.1						3.8	9.8
NNW	.1	.5	.9	1.1	.1	.1						2.8	11.0
VARBL													
CALM												2.0	
	1.1	17.1	32.9	38.8	6.7	1.5	.8					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 STATION 73-81 YEARS JAN
MANSFIELD LAHM MAP OH STATION NAME MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.9	.6								2.6	8.0
NNE		.6	.9	.6								2.1	8.3
NE	.2	.1	.6	.5								1.5	8.8
ENE		.5	.6	.1								1.2	7.7
E		1.0	.6	.1								1.7	6.7
ESE		.1	1.6	.1								1.9	8.4
SE		1.4	1.6	.6	.4							4.0	8.9
SSE	.1	.7	1.6	2.1	.4							4.9	10.8
S	.1	1.5	2.7	4.7	.9		.4					10.2	12.1
SSW		1.5	2.2	3.3	1.0	.1	.2					8.4	12.3
SW	.1	1.2	5.2	4.8	1.6	.5	.1					13.6	12.0
WSW	.2	1.6	7.0	7.9	1.6	.5						18.9	11.5
W	.1	1.5	5.1	4.9	.6		.2					12.5	10.8
WNW		.9	2.8	2.1	.4	.1						6.3	10.6
NW		1.4	2.0	1.9	.2							5.4	9.6
NNW	.1	1.0	1.1	.7	.2							3.2	9.4
VARBL													
CALM												1.6	
	1.5	15.7	36.5	35.2	7.3	1.2	1.0					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	1.1	1.1	.1							3.2	8.8
NNE		1.5	1.0	.6	.2							3.3	8.7
NE	.1	.6	.6	.7								2.1	8.3
ENE		.5	.4									.9	6.3
E		.4	.5	.4								1.2	8.7
ESE		.4	.6	.4								1.3	8.5
SE	.1	.9	2.2	1.1	.1							4.4	8.9
SSE	.1	.5	1.1	2.3	.5							4.5	11.2
S		2.2	3.3	7.0	.9	.5						13.9	11.5
SSW	.1	1.3	3.3	3.8	1.1	.6						10.2	12.1
SW	.4	1.2	3.4	3.2	1.5	.4						10.0	11.2
WSW	.1	1.6	5.5	7.5	2.3	1.0						18.0	12.3
W		1.2	4.5	5.5	1.1	.2						12.5	11.4
WNW	.2	.5	1.9	1.6	.1							4.4	9.9
NW		1.0	1.8	1.8	.1							4.7	9.8
NNW	.2	.5	1.9	1.1	.5	.1						4.4	10.8
VARBL													
CALM												1.2	
	1.5	14.9	33.0	38.0	8.5	2.8						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.5	.6	.1							2.7	9.0
NNE		.9	1.7	.2	.1							2.9	8.8
NE		.7	1.2	1.2								3.2	9.4
ENE		.5	.4	.2								1.1	7.3
E	.1	.4	.9	.2								1.6	7.5
ESE	.1	.4	.7	1.2								2.4	9.8
SE		.4	1.0	1.5	.1							2.9	10.5
SSE		1.5	2.2	2.4	.4							6.5	10.0
S	.1	1.0	2.4	6.7	1.0	.2	.1					11.6	12.4
SSW	.1	1.2	2.8	3.7	1.8	.1						9.8	12.0
SW		1.3	1.7	4.2	1.6	1.2						10.0	13.6
WSW	.1	.6	3.5	7.2	3.8	.5						15.8	13.7
W	.2	.7	3.7	7.5	1.5	.4						14.0	12.2
WNW		1.0	2.2	2.7	.5							6.4	10.4
NW		.9	2.3	2.0	.1	.1						5.4	10.1
NNW		.4	1.2	1.0	.1							2.7	10.3
VARBL													
CALM												1.0	
	1.0	12.1	29.5	42.6	11.1	2.6	.1					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 STATION MANSFIELD LAHM MAP OH 73-81 YEARS JAN MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	2.5	.5	.1							4.0	8.6
NNE	.1	.4	.6	.9	.4							2.4	10.3
NE	.1	.9	1.7	.5								3.2	8.4
ENE	.1	.2	.6	.2								1.2	8.1
E		.5	.1	.7								1.4	9.7
ESE	.2		1.2	.7	.1							2.4	10.1
SE	.1	.6	1.1	1.4	.1							3.4	10.5
SSE		.2	1.6	1.6	.5							4.0	11.8
S	.1	.4	2.2	6.5	1.1	.1						10.4	12.7
SSW	.2	.5	1.5	3.9	2.1	.2						8.4	13.6
SW		.4	2.2	4.5	3.1	.9						11.1	14.6
WSW	.1	.9	3.2	8.7	2.9	1.1	.1	.1				17.1	13.9
W	.2	.5	4.8	8.6	2.4	1.2						17.8	13.2
WNW		.9	1.9	2.5	.7							6.0	11.0
NW	.1	.6	1.0	1.9	.2							3.9	11.0
NNW	.1	.6	.7	1.0								2.5	9.3
VARBL													
CALM												1.0	
	1.9	8.3	27.2	44.0	13.8	3.6	.1	.1				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 875

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	2.6	1.2	.1							4.0	10.0
NNE		.2	1.1	1.7								3.1	10.3
NE	.2	.5	.6	.4								1.7	7.4
ENE		.4	.9	.4								1.6	8.8
E		.9	.9									1.7	6.3
ESE	.1	.2	.9	.2								1.5	8.3
SE	.1	.4	1.3	1.8	.1							3.8	10.9
SSE	.1	.2	2.0	2.9	.2	.4						5.9	11.8
S		.4	2.6	5.3	1.8	.1						10.2	13.3
SSW	.1	.5	2.4	3.9	.6	.5						8.1	12.5
SW		.6	1.7	5.4	1.5	.6						9.8	13.8
WSW		.6	3.8	7.5	1.7	1.5	.4					15.4	18.2
W	.1	.9	4.4	10.0	2.0	.5	.2					18.1	12.8
WNW		.2	1.8	2.2	.4	.2						4.9	12.1
NW	.1	1.7	1.6	2.9								6.4	9.6
NNW	.1	.1	1.5	1.1	.1							2.9	9.4
VARBL													
CALM												1.0	
	1.1	8.0	30.0	47.0	8.6	3.8	.6					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	2.4	1.5	.2							5.7	8.9
NNE		1.0	.7	.6								2.3	8.4
NE		.4	.7	.1	.1							1.3	8.5
ENE		.2	.9	.2								1.3	9.4
E		1.6	1.0	.2								2.8	6.6
ESE	.1	1.3	.4	.2								2.1	6.2
SE	.2	.7	1.1	1.9	.4							4.4	10.8
SSE		.7	2.3	2.9	.4	.2						6.6	11.5
S		1.6	2.7	4.6	.9							9.7	11.3
SSW	.1	.4	2.7	3.6	.2							7.0	11.9
SW		1.0	3.3	6.1	.7	.2						11.3	12.0
WSW		2.2	5.7	8.4	2.6	.7	.2					19.8	12.3
W		1.7	5.7	6.0	1.3	.1	.2					15.1	11.9
WNW		1.1	1.7	1.2	.2							4.3	9.5
NW		.9	1.6	.6	.1							3.2	8.9
NNW		.6	1.0	1.1								2.7	9.5
VARBL													
CALM												.5	
	.6	16.8	33.8	39.8	7.2	1.3	.5					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLIM

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		1.3	.2	.5	.2							2.3	8.7
NNE		.7	.1	.9								1.7	9.4
NE	.2	2.0	.9	.2								3.3	6.3
ENE		1.0	.5	.5								2.0	8.1
E		.6	1.1	.4								2.1	8.1
ESE		1.0	.7	.2								2.0	6.9
SE		1.0	1.1	.7								2.8	8.7
SSE	.1	.6	1.7	2.9	.9							6.2	11.9
S		1.8	2.7	6.2	1.1	.1						12.0	11.6
SSW	.1	1.0	2.7	2.8	.2		.1					7.0	10.7
SW		1.6	2.9	5.6	1.0							11.2	11.5
WSW		1.8	4.9	9.6	2.9		.1					19.4	12.4
W		1.7	6.9	4.7	1.0	.1	.1					14.5	10.8
WNW	.2	.5	2.9	1.7	.6	.1						6.1	11.0
NW	.2	.5	2.8	.6	.1	.1						4.4	9.4
NNW		.4	1.0	.9	.1							2.3	10.2
VARBL													
CALM												.7	
	1.0	17.5	33.2	38.5	8.2	.5	.8					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.5	.8	.1							3.4	8.9
NNE	.0	.7	.8	.8	.1							2.4	9.3
NE	.1	.9	.8	.5	.0							2.4	7.9
ENE	.0	.5	.6	.2								1.4	8.0
E	.0	.8	.7	.3								1.8	7.5
ESE	.1	.5	.9	.4	.0							2.0	8.3
SE	.1	.7	1.4	1.3	.2							3.6	9.9
SSE	.1	.6	1.7	2.5	.5	.1						5.4	11.4
S	.0	1.4	2.7	5.7	1.0	.2	.1					11.1	11.9
SSW	.1	.9	2.5	3.7	.9	.2	.0					8.5	12.1
SW	.1	1.1	3.1	4.8	1.5	.5	.0					11.1	12.5
WSW	.1	1.4	4.9	8.2	2.5	.7	.1	.0				17.9	12.7
W	.1	1.3	5.0	6.7	1.4	.3	.1					14.9	11.8
WNW	.1	.8	2.3	2.0	.4	.1						5.5	10.5
NW	.1	.9	1.9	1.5	.1	.0						4.4	9.8
NNW	.1	.5	1.2	1.0	.2	.0						2.9	10.0
VARBL													
CALM												1.1	
	1.2	13.8	32.0	40.4	8.9	2.2	.8	.0				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 6529

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	1.9	1.9	.7							6.0	10.3
NNE		.5	1.9	.9		.1						3.5	10.1
NE	.1	1.3	1.7	.8								4.0	8.2
ENE	.3	.8	.4	.1								1.6	5.8
E	.1	.4	1.6	.7								2.8	8.4
ESE		.3	.9	.3								1.5	8.5
SE	.1	.7	1.7	1.1								3.6	9.2
SSE		.5	3.2	2.0	.4							6.2	10.6
S	.3	2.4	4.0	4.2	.4							11.3	10.1
SSW		1.3	3.1	2.8	1.7	.1						9.1	12.0
SW		1.6	3.2	3.8	1.6	.1						10.3	11.7
WSW	.1	1.6	4.7	5.8	1.2							13.4	11.2
W	.1	2.4	5.6	5.0	.1							13.3	10.0
WNW	.1	1.1	1.9	2.3	.1							5.5	10.1
NW	.1	.9	.9	1.6	.3							3.9	10.2
NNW		.8	1.1	.8	.3							2.9	9.8
VARBL													
CALM												1.1	
	1.5	18.5	37.9	33.9	6.8	.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

786

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5	2.1	1.5	.1							5.2	9.3
NNE	.4	.9	1.9	.8								4.0	8.3
NE	.1	.4	1.1	.8	.1							2.5	9.4
ENE		.5	.3	.1								.9	7.3
E	.1	.7	1.3	.5								2.7	8.8
ESE		1.1	.8	.5								2.4	7.7
SE		1.2	1.3	1.1								3.6	8.6
SSE	.1	1.2	2.8	2.0	1.1							7.2	10.4
S	.1	2.4	4.4	4.8	.9							12.2	10.2
SSW		1.9	2.3	2.4	.9							7.5	10.4
SW		.5	2.8	4.8	.9							9.1	12.4
WSW		1.7	5.6	5.6	1.2							14.2	11.1
W	.1	2.9	4.4	4.4	.5							12.4	9.8
WNW	.1	1.3	2.5	2.1								6.2	9.6
NW		.5	1.3	2.8	.3							5.0	11.4
NNW		.3	1.2	1.2	.4							3.1	11.2
VARBL													
CALM												1.7	
	1.2	19.1	36.3	35.4	6.0							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.7	1.2								2.9	8.7
NNE	.1	.5	2.0	1.3								4.0	9.2
NE	.4	.7	.8	1.1								2.9	8.6
ENE		.1	.7									.8	9.2
E		1.3	1.1	1.1								3.4	8.4
ESE	.4	.7	1.6	1.1								3.7	8.9
SE	.1	.7	1.5	.9		.1						3.3	9.2
SSE	.3	1.9	1.5	2.5	.3	.1						6.5	9.9
S		2.7	4.4	5.4	1.7	.3						14.5	11.0
SSW	.3	1.5	2.7	2.8	.9	.3						8.4	10.9
SW	.1	.8	2.5	2.7	1.5	.3						7.8	12.2
WSW	.3	1.1	3.7	6.4	.9	.1						12.5	11.5
W	.3	2.7	4.0	4.1	.4							11.4	9.7
WNW		1.6	2.4	1.6	.7							6.2	9.8
NW	.1	.9	1.9	3.1	.3							6.2	10.4
NNW	.1	.1	2.0	1.6								3.8	10.2
VARBL													
CALM												1.6	
	2.5	18.2	33.2	36.7	6.6	1.2						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

754

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.1	1.2								3.3	9.2
NNE		.4	.8	1.7								2.9	10.9
NE	.1	.4	1.9	.9								3.3	9.2
ENE		.3	1.2	.9	.1							2.5	10.1
E		.3	1.2	.4								1.9	8.9
ESE	.1	.5	2.0	1.5	.3							4.4	10.0
SE		.9	1.6	1.2	.3							4.0	9.5
SSE	.1	1.6	2.0	1.5	.3							5.5	9.5
S	.5	.9	3.1	6.4	1.7	.5	.1					13.4	12.6
SSW	.1	.5	2.7	2.8	1.5	.7						8.3	12.9
SW	.5	1.5	2.8	4.0	.9	.9						10.7	11.7
WSW		1.5	2.9	4.5	2.0	.7	.1					11.7	12.9
W	.3	.7	3.7	4.7	.5							9.9	10.8
WNW		.7	2.4	3.9		.1						7.1	11.4
NW	.1	.8	2.1	2.4								5.5	10.0
NNW		.5	1.9	1.5	.3							4.1	10.5
VARBL													
CALM												1.5	
	2.0	12.6	33.9	39.5	7.9	2.9	.3					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	.3	2.7	1.6								5.0	8.9
NNE	.1	.4	1.3	2.0	.1							4.0	10.7
NE		.3	1.3	1.6								3.2	10.3
ENE		.1	.8	.5								1.5	9.8
E		.4	2.2	.4								3.0	8.5
ESE	.1	.5	2.2	.7								3.5	8.6
SE	.1	.7	1.3	2.0								4.2	9.6
SSE		.4	1.7	1.3	.1	.3						3.9	11.1
S	.3	.4	1.6	5.5	2.0	.8						10.6	13.9
SSW		.7	1.9	6.7	1.9	.1	.3					11.6	13.5
SW	.1	.1	2.4	3.4	1.5	1.2	.1					8.9	14.4
WSW		.5	1.9	3.9	2.2	1.2						9.7	14.5
W		.9	3.5	7.1	1.2	.3	.1					13.2	12.5
WNW	.1	.9	1.7	4.3	.4	.1						7.7	11.6
NW	.3	.3	3.8	1.3	.5							6.2	9.9
NNW		.7	.9	1.5	.1							3.2	10.6
VARBL													
CALM												.8	
	1.6	7.7	31.3	44.0	10.1	4.0	.5					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	2.7	2.4								5.9	10.1
NNE		.3	1.2	2.1	.3							3.9	11.8
NE		.5	2.1	1.3								4.0	9.3
ENE		.3	.8	.4								1.5	9.0
E	.1	.5	2.1	.4								3.2	7.7
ESE	.1	.3	1.9	.4								2.7	8.8
SE		.5	1.9	1.1								3.5	9.6
SSE		.1	1.3	1.3		.4						3.2	12.7
S		.4	2.3	4.4	1.3	.4						8.8	12.9
SSW		.4	2.4	5.2	2.5	.4						10.9	13.6
SW	.1		2.4	5.2	2.1	.4						10.3	13.8
WSW		.4	1.7	4.5	1.3	1.3						9.3	14.2
W		.5	4.5	6.3	2.4	.3						14.0	12.3
WNW		.1	3.9	3.5	.9							8.4	11.6
NW	.1	.8	2.8	1.9	.4							6.0	10.1
NNW		.4	1.9	.9	.5							3.7	10.9
VARBL													
CALM												.7	
	.7	6.3	35.9	41.4	11.9	3.2						100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.0	3.9	1.6	.1							7.7	8.7
NNE	.1	.8	2.1	2.0	.4							5.5	10.4
NE		.9	2.5	.3								3.7	7.7
ENE		.4	.1									.5	5.3
E		1.3	1.5	.3								3.1	7.3
ESE	.1	1.1	1.6	.7								3.5	8.0
SE		.1	1.3	1.6								3.1	10.9
SSE		.4	1.5	2.0	.5							4.4	11.8
S	.1	.4	2.3	4.9	.8							8.5	12.5
SSW		.8	4.7	3.9	1.1	.4						10.8	11.6
SW	.3	1.6	2.8	4.3	.5	.3						9.7	10.6
WSW	.4	2.0	3.7	2.8	1.5	.3						10.7	10.9
W	.4	1.6	4.0	5.2	.8	.3						12.3	11.1
WNW	.3	2.1	3.3	1.7	.3							7.7	8.8
NW		1.3	1.6	2.1								5.1	9.8
NNW		.5	.7	1.5	.5							3.2	11.6
VARBL													
CALM												.7	
	1.9	17.4	37.5	34.8	6.5	1.2						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 751

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.9	3.9	2.3	.5							8.7	9.7
NNE		1.5	1.5	.9		.1	.1					4.1	9.4
NE	.3	1.3	.9	.7	.1	.1						3.5	8.7
ENE		.5	.4	.5								1.5	8.5
E	.5	.5	1.9									2.9	6.6
ESE		.7	1.1	.5	.1							2.4	8.9
SE		.8	1.6	1.2	.1							3.7	9.8
SSE		.4	2.4	1.9	.8							5.5	11.4
S		1.2	2.7	4.4	.5							8.8	11.3
SSW		1.1	4.5	3.6	1.6	.4						11.2	12.2
SW	.1	1.2	3.9	3.1	.7	.1						9.1	10.7
WSW	.3	2.0	4.8	4.8	.9	.3						13.1	10.5
W	.1	.4	5.7	4.4	.1	.3						11.1	11.0
WNW		1.9	1.6	2.0	.1							5.6	9.6
NW	.1	.5	1.2	2.0	.4							4.3	11.4
NNW	.1	.5	.9	.7	.4							2.7	10.5
VARBL													
CALM												1.7	
	1.7	16.4	39.0	33.0	6.6	1.3	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	2.4	1.7	.2							5.6	9.4
NNE	.1	.7	1.6	1.5	.1	.0	.0					4.0	10.1
NE	.1	.7	1.6	.9	.0	.0						3.4	8.9
ENE	.0	.4	.6	.3	.0							1.4	8.5
E	.1	.7	1.6	.5								2.9	8.0
ESE	.1	.6	1.5	.7	.1							3.0	8.8
SE	.1	.7	1.5	1.3	.1	.0						3.6	9.5
SSE	.1	.8	2.1	1.8	.4	.1						5.3	10.8
S	.2	1.4	3.1	5.0	1.1	.3	.0					11.0	11.7
SSW	.1	1.0	3.0	3.8	1.5	.3	.0					9.7	12.3
SW	.2	.9	2.9	3.9	1.2	.4	.0					9.5	12.2
WSW	.1	1.4	3.6	4.8	1.4	.5	.0					11.8	11.9
W	.2	1.5	4.4	5.1	.8	.1	.0					12.2	10.9
WNW	.1	1.2	2.5	2.7	.3	.0						6.8	10.4
NW	.1	.8	2.0	2.2	.3							5.3	10.4
NNW	.0	.5	1.3	1.2	.3							3.4	10.7
VARBL													
CALM												1.2	
	1.6	14.5	35.6	37.4	7.8	1.8	.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

5988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 MANSFIELD LAHM MAP OH 73-81 MAR

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

0000-0200

MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		2.1	1.9	.5	.7							5.2	8.8
NNE		1.1	1.5	.5	.1							3.2	8.4
NE		1.5	1.7	.5								3.6	7.5
ENE	.1	1.3	1.5	.7								3.6	7.9
E	.1	1.2	1.7	.5								3.5	7.6
ESE	.1	1.0	1.6	1.2								3.9	8.8
SE		1.2	2.9	2.4	.5							7.0	10.4
SSE	.1	.7	4.5	3.0	.5							8.9	10.3
S		1.3	4.1	3.0	1.7							10.2	11.3
SSW		1.1	1.8	2.9	1.3	.1						7.3	12.6
SW	.1	1.3	1.2	3.0	.5	.2						6.4	11.6
WSW	.2	1.2	2.8	3.4	.4	.1						8.1	10.5
W	.1	.8	4.1	4.7	.6							10.4	11.2
WNW	.1	1.5	4.1	2.8	.4							8.9	10.1
NW		.8	2.1	2.4	.8							6.2	11.6
NNW		.6	1.3	1.1	.1							3.2	9.9
VARBL													
CALM												.4	
	1.1	18.8	38.8	32.8	7.6	.5						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	1.9	.5	.5							4.7	8.6
NNE		1.3	1.2	.6	.1							3.3	8.6
NE		.4	2.1	.9	.2							3.5	9.8
ENE		.7	1.3	.7	.2							3.0	9.5
E		1.8	1.5	.9								4.1	7.8
ESE	.1	1.0	1.5	1.5								4.0	9.4
SE		1.3	2.4	1.5								5.2	9.2
SSE		1.2	3.5	3.3	.6							8.6	11.0
S	.1	1.3	5.7	4.7	.7		.1					12.8	10.7
SSW	.1	.2	1.8	3.4	1.0	.2						6.8	12.9
SW	.1	1.7	1.8	4.0	.4							8.0	10.8
WSW		1.0	3.8	2.2	.7							7.7	10.7
W		1.8	4.5	2.9	.7							10.0	10.1
WNW	.2	1.0	2.7	3.3	.5							7.7	10.8
NW	.1	1.5	2.6	2.7	.5							7.3	10.2
NNW		.4	.5	1.1								1.9	10.1
VARBL													
CALM												1.2	
	1.1	18.2	38.8	34.1	6.2	.2	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.6	1.1	.5							4.6	9.7
NNE	.1	.7	1.5	.5								2.8	8.0
NE	.4	1.6	1.1	1.0	.1							4.1	8.0
ENE		.9	2.1	.9	.1							3.9	8.9
E	.1	.6	1.2	.4								2.3	7.9
ESE	.1	1.0	1.1	1.0								3.2	8.6
SE		.4	2.6	1.7	.1							4.8	10.2
SSE	.1	1.1	4.5	4.5	.4	.2	.1					11.0	11.0
S	.1	1.0	5.0	5.4	1.7							13.2	11.6
SSW	.1	.4	2.3	2.8	1.5	.4						7.4	12.8
SW	.1	.5	1.7	3.0	.7							6.1	11.4
WSW	.4	1.2	3.2	2.8	.7	.2						8.5	10.6
W	.6	2.2	5.1	3.3	.5	.1						11.8	9.5
WNW	.1	1.1	1.8	2.9	.4							6.3	10.5
NW		.7	2.0	2.4	.1							5.2	10.1
NNW	.1	1.1	.9	1.0		.1						3.2	8.9
VARBL													
CALM												1.5	
	2.7	15.6	37.6	34.6	6.8	1.1	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	1.0	2.4	.6							5.1	11.1
NNE	.1	1.0	1.2	1.2								3.5	9.3
NE		1.0	1.5	1.0	.4							3.7	9.7
ENE		.7	1.7	1.1	.2							3.7	9.6
E	.1	.8	2.1	1.2								4.2	8.9
ESE	.1	.4	1.6	.4								2.4	7.8
SE		.6	1.8	2.1								4.5	10.1
SSE	.1	1.0	2.3	3.7	.8	.4						8.3	12.3
S	.1	.7	3.7	7.0	2.1	.5						14.1	13.0
SSW	.1	.4	1.5	3.6	1.1	.6						7.3	13.3
SW	.4	.1	1.7	4.0	1.8	.7						8.7	14.1
WSW	.1	.5	1.9	4.7	1.5	.2						8.9	12.9
W	.1	.7	3.0	4.5	1.1	.1						9.6	11.7
WNW		.4	1.2	3.9	.4							5.8	12.3
NW	.1	.2	1.2	3.0	.2	.2						5.1	12.2
NNW	.1	.6	1.2	1.8	.5	.1	.1					4.5	11.9
VARBL													
CALM												.5	
	1.7	10.0	28.5	45.6	10.6	2.9	.1					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	1.3	2.6	.7							5.7	11.3
NNE	.1	.2	.7	1.7	.1							2.9	11.3
NE	.1	.6	.7	1.7								3.2	10.1
ENE		.7	1.6	.4								2.7	8.0
E		.6	1.2	2.4	.1							4.4	10.9
ESE		.9	2.1	.7								3.6	8.7
SE	.1	.5	1.6	1.2								3.4	9.4
SSE		.6	.6	2.6	.9	.2						4.9	13.2
S	.1	.4	2.4	5.4	2.2	.9						11.3	13.7
SSW	.1	.1	1.1	2.6	3.4	2.1	.1					9.5	17.0
SW	.1	.2	1.2	4.6	1.3	1.0	.1					8.6	14.7
WSW	.2	.5	1.5	4.5	2.1	1.2						10.0	14.7
W	.1	.5	2.8	7.2	2.2	.7						13.5	13.6
WNW	.1	.9	1.7	3.4	.4	.2						6.7	11.8
NW		1.0	1.5	2.6	.7	.4						6.1	11.9
NNW			1.5	1.7	.2							3.4	11.9
VARBL													
CALM												.1	
	1.5	8.5	23.5	45.1	14.4	6.7	.2					100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	2.4	4.1	.7	.1						7.9	11.7
NNE		.7	1.3	2.2	.4							4.6	11.1
NE		.5	1.0	.4	.1							2.8	8.6
ENE		1.0	.9	.7								2.6	8.7
E		1.0	1.9	1.7								4.6	9.5
ESE		.5	.9	.9								2.2	9.6
SE	.1	.4	1.3	2.4	.2							4.5	11.2
SSE	.2	.2	1.6	1.2	.5	.2						4.0	11.6
S	.1	.2	1.8	5.5	2.2	1.5	.2					11.6	15.2
SSW		.7	1.3	2.4	2.1	.9	.1					7.5	14.8
SW		.1	1.0	3.6	1.5	1.0	.1					7.3	15.8
WSW		.6	1.7	5.4	1.8	1.5						10.9	14.5
W		.4	3.5	7.4	2.2	.9						14.4	13.4
WNW		.1	1.7	3.2	.5	.6						6.1	13.4
NW		.1	.7	3.0	.5	.5						4.9	14.0
NNW	.1	.2	1.5	1.6	.2	.1						3.8	11.9
VARBL													
CALM												.4	
	.6	7.3	25.4	45.7	12.9	7.2	.5					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	3.4	1.6								6.8	8.7
NNE	.1	1.6	2.6	1.6	.5							6.4	9.3
NE		2.0	2.4	1.1	.1							5.6	8.6
ENE		1.0	1.1	.2								2.3	7.3
E	.1	.6	3.5	1.6								5.9	9.3
ESE		.2	1.2	.6								2.1	8.8
SE		1.2	1.7	1.5	.2							4.6	9.6
SSE		.4	1.5	1.3	.5							3.7	11.3
S		.7	3.9	4.3	1.5	.7						11.1	12.8
SSW		1.1	2.7	3.7	1.0	.2						8.7	12.0
SW		.6	2.0	1.3	.6	.5						5.0	12.1
WSW		1.7	1.7	3.9	.6							7.9	11.2
W		2.4	4.4	5.5	1.2							13.6	10.9
WNW	.1	.5	2.1	2.3	1.0							6.0	11.6
NW	.1	1.1	2.1	2.1	.6							6.0	10.7
NNW	.1	.6	1.3	1.3	.4							3.8	10.5
VARBL													
CALM												.5	
	.6	17.6	37.7	34.0	8.2	1.5						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.6	2.1	1.1	.2							5.1	8.5
NNE	.1	1.5	2.0	1.1								4.7	8.1
NE	.1	2.6	2.6	.9								6.1	7.6
ENE	.2	1.6	.9	.6								3.3	7.2
E	.1	1.3	2.3	1.3								5.1	8.8
ESE		.7	1.5	.9								3.1	8.8
SE		1.1	3.5	2.2	.1							7.0	9.8
SSE		1.3	2.6	1.5	.2							5.6	9.4
S		1.6	3.5	5.4	1.7	.1						12.4	11.9
SSW		.7	1.6	2.9	1.3	.1	.1					6.9	13.1
SW		.6	1.6	1.2	.5	.4	.1					4.4	12.4
WSW	.1	1.1	2.9	2.9	.2							7.3	10.2
W	.1	1.7	5.4	4.3	.4							11.9	10.1
WNW		.7	3.2	3.3	.4							7.6	11.1
NW		1.3	2.3	1.7	.9							6.2	10.6
NNW		.2	1.1	1.0	.1							2.4	10.9
VARBL													
CALM												.9	
	1.0	19.8	39.0	32.3	6.1	.6	.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	2.0	1.7	.5	.0						5.7	9.9
NNE	.1	1.0	1.5	1.2	.2							3.9	9.3
NE	.1	1.2	1.7	.9	.1							4.1	8.6
ENE	.0	1.0	1.4	.7	.1							3.1	8.5
E	.1	1.0	1.9	1.2	.0							4.3	9.0
ESE	.1	.7	1.4	.9								3.1	8.8
SE	.0	.8	2.2	1.9	.2							5.1	10.0
SSE	.1	.8	2.6	2.6	.5	.1	.0					6.9	11.2
S	.1	.9	3.8	5.1	1.7	.5	.0					12.1	12.5
SSW	.1	.6	1.8	3.0	1.6	.6	.0					7.7	13.7
SW	.1	.7	1.5	3.1	.9	.5	.0					6.8	13.0
WSW	.1	1.0	2.4	3.7	1.0	.4						8.7	12.1
W	.1	1.3	4.1	5.0	1.1	.2						11.9	11.4
WNW	.1	.8	2.3	3.1	.5	.1						6.9	11.3
NW	.0	.9	1.8	2.5	.5	.1						5.9	11.3
NNW	.1	.5	1.2	1.3	.2	.0	.0					3.3	10.9
VARBL													
CALM												.7	
	1.3	14.5	33.7	38.0	9.1	2.6	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

6572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		.8	2.3	1.9								5.0	9.9
NNE	.3	2.5	2.2	.5								5.5	6.9
NE		.8	1.5	.1								2.3	8.1
ENE		.5	1.8	.4	.1							2.8	8.9
E		1.0	2.4	.4	.1							3.9	8.4
ESE		1.7	2.0	.5								4.2	7.6
SE	.1	2.4	2.9	1.0								6.5	7.7
SSE		2.3	3.7	1.1	.1							7.2	8.2
S		2.9	5.5	2.8	.4							11.6	9.1
SSW	.3	1.4	3.0	3.7	.6							9.0	10.6
SW	.3	1.4	4.1	2.8	.6	.1						9.3	10.2
WSW		1.4	3.2	3.2	.5							8.3	10.6
W	.1	.9	4.6	2.0	.8							8.4	10.6
WNW		.8	1.5	2.0	.3		.1					4.7	11.1
NW	.4	1.4	2.0	1.8	.3		.1					6.0	9.8
NNW		1.3	1.4	1.1	.1							3.9	8.7
VARBL													
CALM												1.4	
	1.4	21.4	44.1	25.4	3.9	.1	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.6	2.8	1.3								6.9	7.8
NNE	.3	1.0	1.6	.5								3.4	8.0
NE	.1	1.1	.6	.3								2.1	6.3
ENE		.5	1.5	.4	.1							2.5	9.2
E		.8	1.4	.1	.3							2.5	8.5
ESE	.1	.8	1.1	.8								2.8	8.6
SE	.1	1.4	2.9	.5								4.9	7.7
SSE		2.0	4.5	1.5								8.1	8.5
S		4.3	5.3	5.3	1.0							15.9	9.8
SSW		.8	3.7	2.4	.6							7.4	10.5
SW		1.5	2.6	4.0	.9							9.1	11.3
WSW	.1	.9	2.6	4.0	.1							7.8	10.8
W	.1	.5	4.5	3.2	.4	.4						9.1	11.1
WNW		1.0	2.1	1.4	.3							4.8	9.7
NW	.3	1.0	2.9	2.6	.1							6.9	9.9
NNW		1.5	1.3	.6								3.4	8.1
VARBL													
CALM												2.3	
	1.4	21.7	41.6	28.9	3.8	.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	3.1	1.5	.8							6.9	9.7
NNE	.4	1.3	1.4	.8								3.8	7.8
NE	.5	.8	1.3	.4	.3							3.1	7.6
ENE	.1	.8	1.4	.8	.1							3.1	9.0
E		.5	1.4	.8								2.6	9.3
ESE		.5	1.5	.1	.3							2.4	9.5
SE	.1	.9	2.3	2.1								5.4	9.6
SSE	.1	1.6	4.4	2.4	.1	.1						8.8	9.2
S	.4	2.1	5.5	5.9	1.1							15.1	10.3
SSW		1.6	1.6	3.4	1.3	.3						8.2	12.1
SW		.9	1.4	3.4	1.4	.3						7.3	12.9
WSW	.1	.9	1.4	3.1	.5							6.0	11.4
W	.1	.8	4.4	4.5	.8	.3	.1					10.9	11.3
WNW	.3	.8	2.4	1.3	.3	.1						5.0	9.5
NW		1.0	1.6	2.4	.6							5.6	10.9
NNW	.1	1.4	1.4	.6	.4							3.9	9.2
VARBL													
CALM												1.9	
	2.6	16.8	36.4	33.4	7.8	1.0	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	5.5	2.1	1.0							9.4	10.5
NNE		.5	1.3	1.1	.1							3.0	9.8
NE		.9	1.1	1.4	.1							3.5	9.8
ENE	.1	.9	.8	1.3								3.0	9.0
E	.3	.5	1.8	1.9								4.4	9.6
ESE	.3	.3	1.5	1.0								3.0	9.1
SE		.5	1.6	2.0	.1							4.3	10.4
SSE	.1	.6	2.3	2.8	.4							6.1	10.8
S	.3	1.0	3.0	5.6	1.4	.1						11.4	11.9
SSW	.1	.4	1.6	2.8	2.3	.4						7.5	14.1
SW		.5	1.5	5.1	1.5	.4						9.0	13.8
WSW		.5	1.6	4.6	1.4	.8	.1					9.0	14.3
W		.9	2.8	4.3	1.8	.1						9.8	12.5
WNW			1.5	2.8	.9	.5						5.6	13.4
NW		.4	1.9	2.0	.6	.4						5.3	12.3
NNW			1.6	2.9	.8							5.3	12.5
VARBL													
CALM												.3	
	1.1	8.5	31.4	43.7	12.3	2.6	.1					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	3.2	3.0	1.0	.3						8.8	11.2
NNE		.5	1.1	1.9	.4							3.9	11.2
NE		.9	1.3	1.0								3.2	8.8
ENE	.1	1.1	1.1	.9	.1							3.4	8.5
E		.4	.8	.4	.1							1.7	9.2
ESE	.3	.3	1.7	.4	.4							2.9	9.6
SE	.1	.5	1.7	1.0	.5							3.8	10.4
SSE	.4	.3	.9	2.5	.5							4.6	11.3
S	.3	1.0	1.7	3.8	.9	.3	.1					8.0	12.4
SSW	.1	.3	1.5	2.7	2.2	.6		.1				7.5	14.8
SW	.1	.3	.8	5.0	2.8	.8	.1					9.8	15.5
WSW		.5	3.3	3.6	2.0	1.0	.3					10.7	14.0
W	.1	1.0	2.8	6.0	2.3	.4						12.6	12.8
WNW		.6	2.2	2.8	.6	.3	.1					6.6	12.2
NW		.8	1.8	3.0	.6	.3						6.5	12.3
NNW		.4	1.5	3.4	.5	.3						6.1	12.6
VARBL													
CALM													
	1.7	9.9	27.2	41.4	15.0	4.1	.6	.1				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	3.6	5.4	1.1	.1						11.3	11.6
NNE		.3	2.0	1.8	.6							4.6	11.2
NE		.5	1.3	1.0	.3							3.0	10.2
ENE		.4	2.0	.4								2.8	8.3
E		.4	1.9	.5								2.8	8.4
ESE	.1	.4	.9	.3	.1							1.8	8.9
SE		.3	.8	1.5	.1							2.6	11.1
SSE	.1	.1	1.4	2.3	.3	.4						4.5	12.1
S	.4	.8	1.6	5.1	1.5	.4	.4					10.1	13.7
SSW		.4	.8	2.8	1.5	.5	.1					6.0	14.5
SW		.6	1.1	3.0	2.3	1.3						8.3	15.3
WSW	.3	.4	2.3	4.0	1.8	1.0						9.6	14.1
W		.5	2.6	7.0	1.9	.9						12.9	13.5
WNW	.3	1.0	1.5	2.3	.8	.4	.1					6.3	11.9
NW	.3	.9	2.1	3.3	.5	.3						7.3	11.1
NNW	.1		1.4	3.8	.5							5.8	12.4
VARBL													
CALM												.5	
	1.5	7.8	27.2	44.2	13.1	5.1	.6					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 799

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	6.4	3.2	.4							11.6	9.7
NNE	.3	1.9	4.1	1.4	.1	.1						7.9	8.5
NE		2.4	3.2	.9	.1							6.6	8.0
ENE		1.1	.9									2.0	6.1
E		1.3	1.1	.1								2.5	7.1
ESE		.9	1.1	.9								2.9	8.9
SE		.6	1.1	1.1	.1							3.0	10.0
SSE		.9	1.7	.8	.1							3.4	8.9
S		1.4	3.4	3.7	1.0	.3						9.8	11.2
SSW		.8	1.5	2.3	1.5	.5						6.6	13.6
SW	.3	1.5	1.3	3.0	.9	.1						7.1	11.4
WSW		1.7	2.7	3.8	.9	.3						9.3	11.4
W	.4	1.5	4.4	3.3	1.1	.1						10.9	10.8
WNW		.9	2.0	2.4	1.1							6.5	11.8
NW	.4	.6	1.8	1.3	.8							4.8	10.5
NNW	.3	.8	1.7	.8	.1	.3						3.8	9.7
VARBL													
CALM												1.1	
	1.8	19.7	38.4	29.0	8.4	1.7						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		2.3	3.1	1.3	.3							6.9	8.4
NNE	.1	1.1	2.9	.6								4.8	8.2
NE		3.0	2.4	.5								5.9	7.1
ENE	.1	2.3	2.5	.3								5.1	6.6
E	.3	1.8	1.5	.3								3.8	6.6
ESE		2.3	1.5	.6	.1							4.5	7.4
SE	.1	2.1	1.9	1.1	.3							5.5	8.4
SSE	.1	2.8	3.8	.8								7.4	7.3
S	.1	1.9	4.0	2.5	.8							9.3	9.7
SSW		1.8	2.6	2.1	1.0							7.5	10.7
SW		2.5	1.9	3.5	1.5							9.4	11.5
WSW		2.8	2.3	2.4	.3							7.7	9.4
W		1.3	3.1	3.1	.9		.1					8.5	11.2
WNW		.4	1.8	1.6	.4							4.1	11.3
NW		.8	1.0	1.8	.1	.1						3.8	11.3
NNW		.9	2.1	1.0	.1							4.1	9.3
VARBL													
CALM												1.6	
	.9	29.7	38.4	23.5	5.6	.1	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	3.8	2.5	.6	.0						8.3	10.0
NNE	.2	1.1	2.1	1.1	.2	.0						4.6	8.8
NE	.1	1.3	1.6	.7	.1							3.7	8.2
ENE	.1	.9	1.5	.5	.1							3.1	8.1
E	.1	.8	1.5	.6	.1							3.0	8.4
ESE	.1	.9	1.4	.6	.1							3.1	8.5
SE	.1	1.1	1.9	1.3	.1							4.5	9.2
SSE	.1	1.3	2.8	1.8	.2	.1						6.3	9.3
S	.2	1.9	3.8	4.4	1.0	.1	.1					11.4	10.9
SSW	.1	.9	2.0	2.8	1.4	.3	.0	.0				7.5	12.5
SW	.1	1.2	1.8	3.7	1.5	.4	.0					8.7	12.7
WSW	.1	1.1	2.4	3.6	.9	.4	.0					8.5	12.2
W	.1	.9	3.7	4.2	1.2	.3	.0					10.4	11.8
WNW	.1	.7	1.9	2.1	.6	.2	.0					5.5	11.5
NW	.2	.9	1.9	2.3	.5	.1	.0					5.8	11.0
NNW	.1	.8	1.5	1.8	.3	.1						4.5	10.7
VARBL													
CALM												1.1	
	1.5	17.2	35.6	33.7	8.7	1.9	.2	.0				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

6344

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.8	3.0	1.0	.4							7.6	7.8
NNE	.2	1.7	2.4	.1	.1	.1						4.7	7.2
NE	.1	2.3	.5	.2								3.2	5.9
ENE	.2	1.6	.8	.1								2.8	6.0
E		1.9	1.0	.1								3.0	6.1
ESE	.2	2.4	2.4	.2								5.3	6.6
SE	.2	3.0	2.8	.5								6.6	6.9
SSE	.2	6.3	2.8	1.5	.2							11.0	7.2
S	.5	4.9	6.8	1.9								14.1	7.6
SSW	.1	3.5	2.8	2.2	.4							9.0	8.7
SW	.2	2.2	2.1	1.6								6.1	8.3
WSW		2.1	2.9	1.5	.1							6.6	9.0
W		.8	4.0	1.3	.1							6.3	9.4
WNW		.8	1.7	.6								3.2	8.7
NW		1.6	1.6	.5								3.6	7.5
NNW	.1	2.1	.6	.1								2.9	6.2
VARBL													
CALM												4.0	
	2.8	40.0	38.2	13.5	1.3	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 STATION MANSFIELD LAHM MAP OH 73-81 YEARS MAY MONTH
STATION NAME CLAS ALL WEATHER
CONDITION 0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.4	2.2	1.5	.1							7.5	7.6
NNE		2.2	1.2	.2	.2							3.9	7.2
NE	.2	1.8	1.0	.2								3.3	6.4
ENE	.1	.8	.4	.2								1.6	6.4
E	.1	1.1	1.3	.1								2.7	7.1
ESE		2.1	1.6									3.6	6.4
SE	.1	3.3	3.4	.6	.1							7.5	7.2
SSE	.1	3.6	5.0	1.2	.1							10.0	7.7
S	.7	6.4	7.0	2.2	.4							16.7	7.6
SSW	.2	2.1	2.7	1.6	.2							6.8	8.6
SW	.1	1.7	4.1	2.3	.2							8.5	9.4
WSW		1.8	3.3	1.7								6.8	9.0
W	.1	2.1	4.4	1.0	.1							7.6	8.2
WNW	.1	2.1	1.9	1.0	.1							5.2	8.1
NW	.1	1.3	1.1	.8								3.4	7.7
NNW		1.0	1.0									1.9	7.2
VARBL													
CALM												3.0	
	2.5	36.7	41.4	14.6	1.7							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.8	3.2	1.9	.2							7.4	9.2
NNE	.1	1.2	2.3	.5	.1							4.3	7.7
NE	.4	1.1	1.7									3.2	6.3
ENE		.6	1.0	.6								2.2	6.5
E	.1	.4	1.7	.4								2.6	8.0
ESE	.2	.4	2.6	.6								3.8	8.1
SE		1.8	3.0	1.9								6.8	8.6
SSE	.2	1.5	4.0	1.1	.2							7.0	8.3
S	.6	3.6	7.4	3.3	.6							15.6	8.7
SSW	.2	1.9	3.3	2.2	.6							8.3	9.6
SW	.1	1.2	2.9	2.1	.6							6.9	10.0
WSW	.1	1.9	3.3	2.3	.1							7.8	8.9
W	.4	2.3	3.6	3.4	.3							10.2	9.3
WNW		1.2	1.7	1.6								9.5	9.3
NW	.2	.5	2.2	.6								3.5	8.2
NNW		1.8	1.1	.7	.1							3.8	7.6
VARBL													
CALM												2.3	
	3.0	23.3	45.0	23.2	3.2							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	3.7	2.7	.5							8.4	10.1
NNE	.1	.4	2.0	1.0	.1							3.5	9.4
NE	.1	.5	2.2	1.2								4.0	9.3
ENE		.1	1.3	.6								2.1	8.9
E	.4	1.2	1.8	1.5	.1							5.0	8.4
ESE		.5	1.7	1.7								3.9	10.1
SE		1.1	2.1	2.6								5.7	9.8
SSE	.1	.5	1.2	1.7	.1							3.7	10.5
S		1.0	4.0	3.8	.9	.1						9.8	10.9
SSW	.2	.9	2.6	4.3	.6	.1						8.7	11.2
SW	.1	.9	2.3	4.9	.5	.1						8.8	11.5
WSW	.1	.9	2.7	4.2	.9							8.7	11.3
W	.2	1.0	3.3	4.0	.2							8.8	10.4
WNW	.2	1.1	2.4	2.6	.1							6.5	9.3
NW	.2	1.2	2.2	2.7	.1							6.5	9.8
NNW	.4	.9	1.6	2.0	.1							4.9	9.6
VARBL													
CALM												1.0	
	2.7	13.2	37.2	41.3	4.3	.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	3.8	4.4	.9							11.0	10.4
NNE	.2	.6	1.2	1.5	.2							3.8	10.0
NE	.1	.7	1.7	1.1								3.7	8.6
NNE		1.1	1.0	.6	.1							2.8	8.6
E	.4	1.6	1.3	1.8								5.1	8.8
ESE	.1	.4	1.5	.9	.1							2.9	9.3
SE		.5	2.3	2.0	.1							4.9	10.3
SSE		.5	1.1	1.6	.2							3.4	10.5
S	.2	.7	2.8	3.9	1.0	.1	.1					8.9	12.1
SSW	.1	.5	1.2	5.1	1.1	.7						8.8	13.7
SW		.2	1.6	3.9	.7	.1						6.6	12.5
WSW		1.2	1.3	3.5	1.5							7.6	12.2
W	.1	1.7	3.4	5.1	.5							10.9	10.7
WNW	.1	1.3	2.6	3.3	.2							7.6	9.9
NW	.1	1.0	2.6	3.2	.6							7.4	10.7
NNW	.2	.7	1.8	1.2								4.0	9.2
VARIABLE													
CALM												.7	
	2.3	10.3	31.2	43.0	7.3	1.0	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.8	5.5	5.4	.5	.1						13.4	10.4
NNE		.4	2.8	1.9	.2							5.4	10.3
NE	.1	.7	1.8	1.2								3.9	9.1
ENE		1.0	1.6	.5	.1							3.2	8.4
E		1.2	1.8	1.0								4.0	8.4
ESE		.7	1.3	1.3								3.4	9.4
SE		.9	1.6	1.5	.2							4.1	10.0
SSE	.1	1.0	1.1	1.2								3.4	8.5
S	.1	1.0	1.8	4.8	1.3	.6						9.6	13.2
SSW		.1	1.6	3.0	1.3	.2						6.3	13.4
SW		.4	2.9	3.5	.4	.1						7.3	11.6
WSW		1.2	3.4	1.7	1.0	.1						7.4	11.0
W	.1	.7	1.9	4.3	.6	.2						7.9	11.8
WNW		1.0	2.2	3.8	.2	.1						7.3	11.1
NW		1.3	2.9	2.3	.6							7.2	10.1
NNW		.9	3.0	1.6	.1							5.6	9.4
VARBL													
CALM												.5	
	.6	14.3	37.9	39.0	6.7	1.6						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.2	5.2	2.7								11.3	8.6
NNE	.1	3.9	5.3	2.1								11.4	8.2
NE	.1	2.3	2.7	1.1								6.3	7.8
ENE	.1	1.1	.9									2.1	6.4
E		2.1	1.8	1.0								4.9	8.2
ESE		1.3	1.1	.4								2.8	7.9
SE	.1	1.7	2.0	.9								4.7	7.8
SSE	.1	2.1	2.2	.9	.2							5.5	8.1
S	.1	1.6	2.9	2.3	.5							7.5	9.9
SSW	.1	1.5	2.7	1.8	.7							6.9	10.2
SW	.1	1.5	2.8	1.3								5.8	8.9
WSW	.4	2.2	2.5	1.7	.2							7.0	8.6
W	.1	2.0	2.7	2.3	.1							7.2	9.4
WNW		1.6	2.5	1.5	.1							5.6	9.2
NW		1.6	2.8	1.3								5.8	8.7
NNW		1.5	1.7	1.1	.1							4.4	8.8
VARBL													
CALM												.9	
	1.7	31.2	41.7	22.5	2.1							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.8	3.6	1.0								8.6	7.5
NNE	.5	4.8	2.1	.6								8.0	6.3
NE	.2	4.0	2.0	.2								6.5	6.2
ENE	.4	3.3	1.7	.2								5.6	6.0
E	.2	2.2	2.0									4.4	6.6
ESE	.1	2.2	1.8	.2								4.4	6.6
SE		2.6	2.7	.2								5.5	6.9
SSE	.4	3.3	4.0	.7	.4							8.8	7.8
S	.4	4.9	5.3	1.5	.4							12.4	7.8
SSW	.1	2.6	2.6	1.5								6.7	8.4
SW	.1	2.5	1.7	.6	.2							5.1	8.0
WSW	.2	1.5	2.5	1.6								5.8	8.3
W	.1	1.5	3.7	.6								5.9	8.0
WNW		1.2	1.5	.2	.1							3.1	7.9
NW	.2	1.5	1.3	.4	.1							3.6	7.2
NNW		1.2	.7	.2	.1							2.3	8.0
VARBL													
CALM												3.3	
	3.3	43.0	39.1	9.9	1.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 MANSFIELD LAHM MAP OH 73-81 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER ALL
CLAS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.4	3.7	2.6	.3	.0						9.4	9.1
NNE	.2	1.9	2.4	1.0	.1	.0						5.6	8.1
NE	.2	1.7	1.7	.7								4.2	7.4
ENE	.1	1.2	1.1	.4	.0							2.8	7.3
E	.2	1.5	1.6	.7	.0							4.0	7.8
ESE	.1	1.2	1.8	.7	.0							3.8	7.9
SE	.1	1.9	2.5	1.3	.1							5.7	8.3
SSE	.2	2.3	2.7	1.2	.2							6.6	8.2
S	.3	3.0	4.8	3.0	.6	.1	.0					11.8	9.3
SSW	.2	1.6	2.4	2.7	.6	.1						7.7	10.5
SW	.1	1.3	2.6	2.5	.3	.0						6.9	10.2
WSW	.1	1.6	2.7	2.3	.5	.0						7.2	9.9
W	.2	1.5	3.4	2.8	.3	.0						8.1	9.8
WNW	.1	1.3	2.1	1.8	.1	.0						5.4	9.4
NW	.1	1.2	2.1	1.5	.2							5.1	9.1
NNW	.1	1.2	1.4	.9	.1							3.7	8.5
VARBL													
CALM												2.0	
	2.4	27.0	38.9	25.9	3.5	.4	.0					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 6563

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.0	1.1	.1								3.4	6.3
NNE	.1	2.3	1.3	.1	.1							3.9	6.4
NE	.1	1.4	.5									2.0	5.6
ENE	.3	2.3	.4	.1								3.0	5.3
E	.3	1.1	.6									2.0	5.6
ESE	.1	.9	.1									1.1	5.1
SE	.3	2.5	1.6									4.4	6.1
SSE	.5	4.3	4.4	.4								9.6	6.6
S	.1	8.8	10.1	3.0								22.0	7.5
SSW	.1	5.7	6.7	2.3	.4							15.1	8.3
SW	.1	4.5	4.4	2.3	.6							11.9	8.5
WSW		2.0	1.9	.9								4.8	7.8
W	.1	1.8	1.3	.9	.3							4.3	8.1
WNW		.8	1.3	.3								2.3	7.6
NW	.1	2.1	1.4	.6	.3							4.5	7.4
NNW		.9	.8									1.6	6.5
VARBL													
CALM												4.0	
	2.4	43.3	37.7	10.9	1.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.5	2.0	.4								5.0	6.8
NNE	.5	1.5	.4	.2								2.6	5.4
NE	.2	1.5	.2									2.0	4.7
ENE	.1	1.0	.2									1.4	5.0
E		.7	.7	.1								1.6	7.4
ESE	.1	.7	.4									1.2	5.6
SE	.2	2.6	1.6	.2								4.7	6.4
SSE	.2	5.1	5.0	1.1	.1							11.6	7.3
S	.4	9.7	10.0	.6	.1							20.8	7.0
SSW	.1	3.9	5.5	2.2	.2							12.0	8.4
SW	.5	4.4	4.6	2.2		.1						11.9	8.1
WSW	.2	2.2	3.1	1.5								7.1	8.1
W		2.2	2.1	.7	.1							5.2	7.9
WNW	.2	.5	1.4	.4								2.5	7.7
NW		1.9	1.1	.9	.2							4.1	8.3
NNW		1.1	1.4	.1								2.6	7.4
VARBL													
CALM												3.5	
	3.1	41.7	39.8	10.9	.9	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 STATION MANSFIELD LAHM MAP OH STATION NAME 73-81 YEARS JUN MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.0	1.5	.9								4.7	7.5
NNE	.3	1.5	1.0	.1								2.9	6.3
NE		1.3	1.0	.1								2.4	6.4
ENE	.1	1.0	.5									1.6	5.8
E		.4	1.3	.6								2.3	8.4
ESE		.3	.8	.3								1.3	8.1
SE		1.4	1.4	.3								3.0	6.8
SSE	.1	2.3	5.6	2.1								10.1	8.5
S	1.0	6.7	9.7	3.8	.1							21.4	7.8
SSW	.3	3.4	5.1	2.3	.6							11.6	8.8
SW	.1	1.9	4.4	2.8	.1							9.4	9.1
WSW	.5	1.9	3.0	2.9	.4							8.7	9.1
W	.1	1.4	3.4	2.4	.1							7.5	9.4
WNW	.3	1.1	1.9	.3								3.5	6.9
NW	.3	.9	1.5	1.1								3.8	8.8
NNW		.8	1.6	.6		.1						3.2	8.8
VARBL													
CALM												2.7	
	3.3	28.2	43.7	20.6	1.4	.1						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.4	.4	.1							4.2	8.2
NNE	.3	1.3	2.1	.8								4.4	7.8
NE	.3	1.3	1.6	1.0								4.2	8.1
ENE		.4	1.0	.4								1.8	8.6
E		.6	1.1	.3								2.0	8.3
ESE		.4	1.0	.5								1.9	8.8
SE	.1	.3	1.6	.5	.1							2.6	8.9
SSE		1.1	3.4	2.5	.1							7.2	9.6
S	.3	1.4	4.0	5.3	.9							11.8	10.8
SSW	.1	.4	3.5	4.7	1.0							9.7	11.4
SW		.5	4.0	3.6	.5							8.7	11.0
WSW		1.0	4.7	5.2	.4							11.2	10.4
W	.4	2.0	3.6	4.4	.6							11.1	10.0
WNW	.3	1.9	3.9	1.3	.1							7.4	8.1
NW		1.3	2.5	2.8	.1							6.7	9.8
NNW	.3	.4	2.0	1.0	.4							4.0	10.0
VARBL													
CALM												1.3	
	2.0	15.2	42.6	34.5	4.4							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	3.8	3.0	.3							8.6	9.7
NNE	.1	.6	1.9	.9	.3							3.8	9.0
NE		.6	1.0	.9	.1							2.6	9.9
ENE	.3	.4	.4	.4								1.4	7.2
E	.1	.5	1.0	.4	.1							2.1	8.1
ESE		.4	.6	.9								1.9	9.8
SE	.1	.5	1.3	.9								2.8	9.2
SSE		.9	1.9	2.0								4.8	10.1
S		.9	3.0	5.4	1.1	.3						10.7	12.1
SSW	.1	.9	4.2	6.2	1.3							12.6	11.6
SW	.1	1.0	3.3	5.4	2.3							12.1	12.0
WSW		.6	3.0	4.5	.5							8.7	11.9
W	.1	1.6	3.5	3.9	.9							10.1	10.7
WNW	.3	.8	3.4	2.6	.1							7.2	9.8
NW		1.1	2.3	1.8	.1							5.3	9.5
NNW	.1	.4	2.5	1.6	.4							5.0	10.3
VARBL													
CALM												.5	
	1.5	12.6	37.0	40.8	7.4	.3						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	4.0	3.9	.8							10.3	10.4
NNE		.5	2.9	1.3								4.7	9.1
NE	.1	.8	1.8	.6								3.3	8.5
ENE	.3	.5	1.0	.6								2.4	7.9
E	.3	.5	1.1	.4								2.3	7.4
ESE	.1	1.0	.8	.1								2.0	7.1
SE		.4	1.8	.8								2.9	9.4
SSE	.1	.5	1.0	2.9	.1							4.7	11.1
S		.9	3.5	5.7	.9							11.0	11.7
SSW	.1	.9	4.2	5.0	1.4							11.6	11.4
SW		1.0	3.9	5.2	.5							10.6	11.2
WSW	.3	1.0	2.8	3.7	1.1							8.8	11.2
W	.5	1.3	4.0	3.2	.3							9.2	9.6
WNW	.1	1.4	2.3	2.8	.1	.3						6.9	10.0
NW	.3	.5	2.1	1.1	.5							4.5	9.9
NNW	.1	.5	2.5	1.1	.3							4.5	9.1
VARBL													
CALM												.3	
	2.4	13.1	39.7	38.3	5.9	.3						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.5	6.2	1.8	.3							12.0	8.1
NNE		2.6	3.7	1.1								7.4	7.8
NE		2.5	1.9	.1								4.5	6.6
ENE		.6	.4	.1								1.1	7.2
E		1.1	1.0									2.1	6.8
ESE	.3	.6	.4									1.3	5.3
SE	.3	2.4	1.5	.1								4.3	6.4
SSE		.9	4.3	.5	.1							5.8	8.5
S		1.4	6.4	3.9	.1	.3						12.1	10.3
SSW		1.1	6.7	3.5	.3							11.6	9.8
SW	.3	3.7	3.5	1.9	.3	.1						9.7	8.5
WSW	.1	2.0	2.4	1.5	.3							6.3	8.8
W		2.4	2.0	1.9	.3							6.5	8.9
WNW	.3	1.5	2.5	.9	.1							5.3	8.2
NW	.1	1.4	2.8	1.5	.3							6.0	9.0
NNW	.3	.8	1.4	.3								2.6	7.5
VARBL													
CALM												1.3	
	1.8	28.6	47.0	19.1	1.9	.8						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

799

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER

2100-2300
HOURS (L.S.T.)

CLAS

CONDI

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	2.6	.3								5.6	6.9
NNE	.5	3.4	1.5	.4								5.8	6.2
NE	.1	3.6	.9	.1								4.8	5.7
ENE	.3	2.6	.8									3.6	5.6
E	.1	.9	.4									1.4	5.5
ESE	.5	2.8	.3									3.5	4.9
SE	.3	2.5	1.0									3.8	5.8
SSE		6.1	4.0	1.0								11.1	7.0
S	.3	6.4	8.5	2.5	.6							18.3	8.3
SSW	.4	3.9	4.9	2.5								11.6	8.3
SW	.1	4.3	2.4	2.0	.1	.1						9.0	8.3
WSW	.5	3.3	1.0	.8	.4	.1						6.0	7.8
W	.3	2.4	1.5	.6	.3							5.0	7.7
WNW		.4	1.8	.4								2.5	8.5
NW	.1	.8	1.5	.9								3.3	8.8
NNW	.1	.5	.1	.3								1.0	7.4
VARI													
CALM												3.8	
	3.8	46.2	33.0	11.6	1.4	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

799

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.1	3.0	1.3	.2							6.7	8.4
NNE	.2	1.7	1.8	.6	.0							4.4	7.4
NE	.1	1.6	1.1	.4	.0							3.2	7.0
ENE	.2	1.1	.6	.2								2.0	6.4
E	.1	.7	.9	.2	.0							2.0	7.3
ESE	.1	.9	.5	.2								1.8	6.8
SE	.2	1.6	1.5	.3	.0							3.6	7.1
SSE	.1	2.7	3.7	1.6	.1							8.1	8.2
S	.3	4.5	6.9	3.8	.5	.1						16.0	8.9
SSW	.2	2.5	5.1	3.6	.6							12.0	9.7
SW	.2	2.7	3.8	3.2	.6	.0						10.4	9.6
WSW	.2	1.8	2.7	2.6	.4	.0						7.7	9.6
W	.2	1.9	2.7	2.2	.3							7.4	9.3
WNW	.2	1.0	2.3	1.1	.1	.0						4.7	8.6
NW	.1	1.2	1.9	1.3	.2							4.8	9.0
NNW	.1	.7	1.5	.6	.1	.0						3.1	8.8
VARBL													
CALM												2.2	
	2.5	28.6	40.1	23.3	3.1	.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 6363

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725246 MANSFIELD LAHM MAP OH 73-81 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
LOCATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.3	.5								4.5	6.3
NNE	.5	1.1	.4	.1								2.1	5.5
NE	.6	2.6	.1									3.3	4.7
ENE	.6	1.7	.2									2.6	4.5
E	.4	1.2	1.6									3.2	6.2
ESE	.1	1.8	.7									2.7	5.6
SE	.5	3.6	.4									4.4	5.0
SSE	.6	5.3	2.9	.1								8.9	5.8
S	1.5	8.9	8.1	.5								19.0	6.5
SSW	.7	5.0	5.5	1.8	.2							13.4	7.6
SW	.1	3.8	3.8	1.7	.1							9.6	8.2
WSW	.1	3.9	3.1	1.6								8.7	7.8
W	.1	1.2	2.7	.4								4.4	7.7
WNW	.1	.7	1.5	.4								2.7	7.7
NW		1.8	.9	.1								2.8	6.7
NNW	.1	1.0	.6									1.7	5.4
VARB													
CALM												6.0	
	4.4	44.0	33.8	7.2	.4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	1.0	.5								4.0	6.3
NNE	.4	2.0	.9	.1								3.3	5.5
NE		1.3	.6	.1								2.1	6.2
ENE	.2	1.1	.6									2.0	5.6
E	.1	1.2	.5									1.8	5.4
ESE	.2	1.5	.7									2.5	5.8
SE	.2	1.8	.9									2.9	5.7
SSE	.4	5.6	2.1	.1								8.2	5.7
S	1.7	11.8	6.6	.7								20.8	6.1
SSW	.2	5.1	5.5	1.6								12.5	7.5
SW	.4	3.6	3.2	1.7	.1							8.9	7.7
WSW		2.2	5.8	1.2								9.2	8.2
W	.4	1.5	3.3	.9								6.0	7.9
WNW	.1	1.8	1.1	.1								3.2	6.7
NW		2.5	.7	.1								3.3	6.2
NNW		1.6	1.0									2.6	6.5
VARBL													
CALM												6.6	
	5.3	46.3	34.4	7.2	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	2.1	.7								6.2	6.7
NNE	.1	2.3	1.5	.1								4.0	6.3
NE	.5	1.1	.7	.1								2.4	5.9
ENE	.1	1.0	1.0									2.1	6.4
E	.1	.6	2.1	.1								2.9	7.6
ESE	.1	1.0	.6	.1								1.8	6.4
SE	.5	2.4	1.1	.2								4.3	5.6
SSE	.7	4.8	4.3	.2								10.0	6.3
S	1.3	8.4	4.4	2.1								16.3	6.7
SSW	.6	3.5	4.3	2.3	.1							10.9	7.9
SW	.2	2.1	5.4	1.6								9.3	8.4
WSW	.2	2.2	6.2	2.1								10.8	8.3
W	.5	2.2	2.6	1.1								6.4	7.5
WNW	.2	1.2	1.0	.1								2.6	6.3
NW	.1	1.0	1.0	.9								2.9	8.8
NNW	.1	1.3	1.5	.1								3.1	6.8
VARB													
CALM												3.9	
	6.5	37.2	90.3	12.0	.1							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	3.5	2.8								9.1	8.4
NNE		1.1	1.9	.8								3.9	8.2
NE		1.5	1.9	.7								4.1	8.0
ENE		1.3	2.1	.4								3.8	7.3
E		.7	2.1									2.8	7.0
ESE	.1	1.6	2.2	.1								4.0	6.8
SE	.1	1.5	2.3	.2								4.1	7.4
SSE	.1	.8	2.9	.7								4.6	8.3
S	.2	1.3	4.1	3.0								8.7	9.2
SSW		.7	2.4	3.5								6.7	10.9
SW	.4	1.6	4.6	5.6	.1							12.3	10.0
WSW	.2	2.4	4.5	4.2	.2		.1					11.8	9.8
W	.1	1.8	5.5	2.7								10.1	9.1
WNW	.5	.4	2.8	.6								4.2	8.3
NW	.1	1.2	3.4	.7								5.5	8.1
NNW	.2	1.1	1.8	.6								3.8	7.8
VARBL													
CALM												.6	
	2.5	21.5	48.1	26.8	.4		.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 829

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.4	4.8	2.8								10.4	8.9
NNE		1.7	2.1	1.1	.1							5.0	8.5
NE	.4	1.0	2.3	.5								4.1	7.7
ENE	.1	.7	1.2									2.1	6.7
E	.2	1.2	1.7	.1								3.3	6.8
ESE	.2	1.1	1.5	.4								3.2	7.1
SE	.1	.9	2.1	.4								3.4	7.8
SSE		1.0	1.1	1.0								3.0	8.8
S	.2	1.8	2.1	2.2	.4							6.7	9.5
SSW		.4	2.1	3.7	.4							6.5	11.5
SW	.1	1.0	3.9	6.8	.4							12.2	11.4
WSW	.2	1.7	4.5	5.0	.9	.2						12.6	10.7
W	.1	1.6	4.8	5.6	.1							12.2	9.9
WNW	.1	.6	1.8	1.5								4.0	9.4
NW	.1	.7	2.7	2.7								6.2	9.8
NNW	.1	1.2	2.2	.9		.1						4.5	8.9
VARBL													
CALM												.6	
	2.6	19.0	40.7	34.5	2.2	.4						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

820

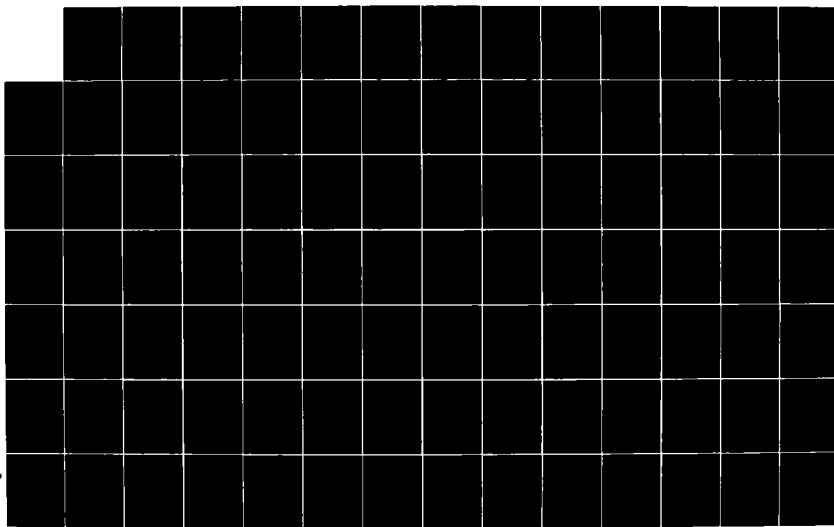
AD-A122 714

MANSFIELD/LAMM MAP OHIO REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82
UNCLASSIFIED USAFETAC/DS-82/048 SBI-AD-8880 207

R/G 4/2

NL

215





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.3	4.2	4.6								11.2	9.5
NNE	.4	2.1	3.0	1.8								7.3	8.5
NE	.2	1.5	1.0	.6								3.3	7.5
NNE		1.1	1.2	.1								2.4	6.9
E		1.3	1.5	.4								3.1	7.2
ESE	.1	1.0	1.3	.6								3.0	7.9
SE		.7	2.1	.4								3.1	7.8
SSE		.7	2.3	.4								3.9	8.1
S		.4	3.9	3.0	.5							7.7	10.7
SSW	.1	.8	2.7	2.7								6.3	9.8
SW	.1	1.5	3.3	5.2	.4	.1						10.5	11.1
WSW	.1	1.0	4.5	4.5	.8	.2						11.1	10.8
W	.1	2.3	4.5	3.6	.2							10.8	9.6
WNW		.6	2.8	1.7	.2	.1						5.4	10.2
NW	.2	.7	2.5	1.7								5.2	9.0
NNW		1.0	3.1	1.5	.1							5.7	8.8
VARIABLE													
CALM												.4	
	1.6	18.9	43.8	32.6	2.3	.5						100.8	9.9

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
DUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	4.5	6.3	1.3								12.4	7.7
NNE	.1	4.5	3.6	.9	.1							9.2	7.2
NE	.1	3.3	2.2	.2								5.9	6.5
ENE	.2	2.2	1.0									3.4	5.8
E		2.2	1.2	.1								3.6	6.2
ESE		1.8	.7		.1							2.7	6.2
SE		2.6	1.1									3.7	6.3
SSE		2.1	3.3	.2								5.6	7.4
S	.2	1.7	4.4	1.6	.1							8.1	8.6
SSW	.1	1.7	3.3	2.8	.2							8.2	9.6
SW	.2	3.4	4.0	1.5	.1							9.3	8.0
WSW	.1	2.9	3.3	.9	.1	.1						7.5	8.1
W		2.7	2.5	.5	.1							5.8	7.4
WNW	.4	2.6	1.8	.6								5.4	7.2
NW	.1	1.7	1.2	.7	.1							3.9	7.8
NNW		1.5	1.0	.2								2.7	7.2
VARBL													
CALM												2.6	
	2.0	41.6	41.0	11.7	1.1	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	5.1	1.6									7.2	5.5
NNE	.4	3.8	1.2	.2								5.6	5.8
NE	1.1	5.3	.7	.1								7.2	5.0
NNE	.5	2.9	.4									3.8	4.8
E	.7	3.1	1.2									5.0	5.7
ESE	.4	2.4		.2								3.1	5.2
SE	.1	2.7	.9									3.7	5.4
SSE	.5	2.9	2.4	.1								6.0	6.5
S	1.0	7.9	6.0	1.1								16.0	6.7
SSW	.2	3.4	4.8	2.3	.1							10.6	6.4
SW	.2	3.9	1.8	1.1								7.1	7.0
WSW		3.8	2.1	.5								6.3	6.7
W		1.5	2.4	.1								4.0	6.9
WNW	.1	1.0	1.7	.2								3.1	7.1
NW	.1	1.0	.6	.7								2.4	7.9
NNW	.2	1.0	.8	.1								1.8	5.8
VARBL													
CALM												7.1	
	6.1	51.6	28.1	7.0	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246

MANSFIELD LAHM MAP OH

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

NOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.8	3.2	1.7								8.1	7.8
NNE	.2	2.3	1.8	.7	.0							5.1	7.2
N E	.4	2.2	1.2	.3								4.1	6.3
ENE	.2	1.5	1.0	.1								2.8	6.0
E	.2	1.4	1.5	.1								3.2	6.5
ESE	.2	1.5	1.0	.2	.0							2.9	6.4
SE	.2	2.0	1.3	.2								3.7	6.3
SSE	.3	2.9	2.7	.4								6.2	6.7
S	.8	5.3	4.9	1.8	.1							12.9	7.4
SSW	.3	2.6	3.8	2.6	.1							9.4	8.8
SW	.2	2.6	3.8	3.2	.2	.0						9.9	9.2
WSW	.1	2.5	4.2	2.5	.3	.1	.0					9.7	9.0
W	.2	1.8	3.5	1.9	.1							7.5	8.7
WWW	.2	1.1	1.8	.7	.0	.0						3.8	8.1
NW	.1	1.3	1.6	1.0	.0							4.0	8.3
NNW	.1	1.2	1.5	.4	.0	.0						3.2	7.6
VARBL													
CALM												3.5	
	4.1	35.2	38.8	17.8	.8	.1	.0					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

6550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	1.1									2.6	6.2
NNE		1.5	.9	.5								2.4	7.1
NE	.1	2.6	.7									3.4	5.4
NNE	.1	1.8	.4									2.3	5.1
E	.5	1.8	.7									3.0	5.0
ESE		1.5	.3									1.8	5.2
SE	.1	4.8	.7	.1								5.4	5.5
SSE	.1	6.2	2.2	.1								8.7	6.0
S	.8	8.4	8.4	1.0	.1							18.7	6.9
SSW	.7	4.8	6.8	1.9								13.9	7.7
SW		3.8	4.2	1.8	.1							9.9	8.1
WSW	.1	4.2	2.7	1.0	.1							8.2	7.4
W	.3	2.2	3.4	.3								6.1	7.2
WNW	.1	1.8	1.5	.1								3.5	6.6
NW		1.2	1.6	.4								3.3	7.8
NNW		1.5	.3	.1								1.9	6.0
VARBL													
CALM												4.9	
	1.3	48.8	35.3	7.3	.4							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.9	1.4									3.5	6.3
NNE	.9	2.1	.3	.3								3.0	5.5
NE	.1	.8	.1	.1								1.1	5.7
NNE	.1	1.9	.1									1.6	4.8
E	.1	1.3	.3									1.6	5.1
ESE	.3	1.5	.5	.1								2.4	5.8
SE		3.2	1.1	.3								4.6	5.7
SSE	1.3	4.3	3.3									8.8	5.8
S	1.5	9.1	7.7	1.4								19.7	6.4
SSW	.5	3.7	6.2	2.0								12.4	7.7
SW	.3	2.9	5.9	1.5								10.6	8.0
WSW	.3	3.5	4.6	.9								8.7	6.9
W	.8	3.3	1.6	.3								5.9	6.0
WNW	.1	1.0	1.1									2.3	6.3
NW	.5	1.6	1.3	.1								3.5	6.1
NNW		1.9	1.3	.1								2.8	6.8
VARB													
CALM												7.2	
	6.8	53.0	36.8	6.6								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	.7	.6								3.5	6.8
NNE	.5	1.0	1.0	.6								3.1	6.8
NE	.2	1.5	.2	.1								2.1	5.3
NNE	.2	1.1	1.1									2.4	6.1
E	.4	1.8	1.0									3.2	5.6
ESE	.1	2.1	.9									3.1	5.7
SE	.7	2.1	1.6	.2								4.6	6.1
SSE	1.1	3.7	2.8	.4								7.9	6.2
S	1.8	5.9	7.9	1.8								17.5	7.1
SSW	.6	4.3	6.4	2.1								13.3	7.7
SW		3.1	3.9	3.1								10.0	8.5
WSW	.5	2.6	4.0	.7								7.8	7.4
W	.5	2.2	1.8	1.0								5.5	7.2
WNW	.2	2.4	1.7	.4								4.8	6.4
NW	.2	1.1	1.7	.4								3.4	7.0
NNW		1.2	1.1	.5								2.8	7.3
VARIA													
CALM												4.9	
	7.8	37.3	37.9	11.9								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	3.5	1.5								6.9	8.9
NNE	.4	1.5	1.2	1.1								4.2	7.7
NE	.5	1.4	1.7	.9								4.4	7.3
ENE	.1	1.4	1.7	.2								3.5	7.1
E		1.1	3.1									4.2	7.9
ESE		1.5	1.0									2.5	6.5
SE		1.0	2.7	.4								4.1	7.6
SSE	.1	1.1	3.2	.6								5.1	7.8
S	.2	.9	5.7	2.5	.1							9.4	9.2
SSW	.1	.5	5.5	5.1	.2							11.5	10.9
SW	.2	1.2	5.7	9.9								12.1	9.9
WSW	.1	1.6	5.1	4.3	.2							11.6	9.6
W	.1	1.8	1.8	2.0								7.8	8.3
WW	.4	1.5	2.0	.7								4.6	7.7
NW		1.0	1.8	.5								3.3	8.2
NNW		1.7	1.8	.6								4.2	7.5
VARIABLE													
CALM												.9	
	2.7	21.8	49.6	25.3	.6							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHN MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	3.7	1.9								6.3	8.8
NNE		1.0	1.8	1.0								3.8	8.5
NE	.1	1.1	2.0	.9								4.1	8.0
ENE	.1	.4	1.8	.2								2.6	7.6
E	.1	2.3	1.6	.5								4.6	7.0
ESE	.2	.5	2.2	.2								3.2	7.9
SE		.6	.7	.2								1.6	7.9
SSE		.1	1.5	1.0								2.6	9.6
S	.2	1.0	2.6	3.2								7.0	9.9
SSW		1.1	3.0	5.9	.2							10.2	11.1
SW	.1	1.0	3.8	7.3	.5							12.7	11.1
WSW	.2	2.2	5.5	6.5	.1							14.6	9.9
W	.1	2.2	5.7	2.7	.1							10.8	9.0
WNW	.5	1.0	2.2	1.0		.1						4.8	8.9
NW	.2	1.0	2.1	1.2	.1		.1					4.8	9.9
NNW		1.0	3.9	.7	.2							5.4	9.0
VARBL													
CALM												1.0	
	2.1	17.7	43.7	33.9	1.4	.1	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	3.3	2.6	.2							9.9	9.3
NNE	.1	1.5	3.6	.9	.4							6.4	8.6
NE	.4	.9	1.8	.9								3.9	8.8
ENE	.1	1.1	1.5	.1								2.8	6.7
E	.2	1.7	1.5	.2								3.7	6.7
ESE	.1	.9	1.1	.5								2.6	7.8
SE		.6	1.1	.6	.1							2.5	9.1
SSE		.9	1.5	.1								2.5	7.5
S	.1	1.1	1.6	1.9	.4							8.6	10.4
SSW		.7	2.9	3.8	.5							9.2	11.4
SW	.2	1.0	1.2	4.8	.4							9.6	10.7
WSW	.2	1.8	6.8	4.7								12.7	9.5
W		2.5	4.3	2.3	.1							9.2	8.9
WNW	.2	1.5	2.8	2.8								6.5	8.3
NW	.1	.1	1.8	1.2								3.3	9.3
NNW	.5	1.1	2.9	.9			.1					5.5	8.5
VARBL													
CALM												1.2	
	2.6	12.8	22.2	18.1	2.1		.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	4.5	5.7	.6								11.2	7.3
NNE	.1	4.6	4.5	.6								9.9	6.9
NE	.4	3.4	1.6									5.4	6.0
ENE	.4	1.7	.5	.1								2.7	5.6
E	.4	2.0	.9									3.2	5.5
ESE	.2	2.0	1.3	.2								3.8	6.5
SE		2.3	.6	.1								3.1	5.8
SSE		2.6	1.2	.7								4.5	7.7
S	.1	2.0	5.3	2.8								10.1	9.2
SSW		2.0	6.8	1.3	.1							10.3	8.8
SW		4.0	4.4	1.8								10.3	8.0
WSW	.2	4.2	3.5	.9								8.8	7.0
W	.1	4.0	1.7	.2								6.1	6.1
WNW		1.6	1.3	.4								3.3	7.1
NW		1.7	1.1	.4								3.2	6.8
NNW	.1	1.0	1.0	.2								2.3	7.2
VARBL													
CALM												2.0	
	2.4	41.5	41.5	10.5	.1							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER

CLASS

CONDITION

2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	4.5	.7									5.2	5.5
NNE	.7	3.3	1.2									5.1	5.3
NE	.3	4.7	1.4									6.4	5.6
ENE	.1	3.1	.8									4.1	5.3
E	.4	2.6	.8									3.8	5.3
ESE	.1	1.6	.8									2.5	5.8
SE	.3	3.1	1.2	.1								4.7	5.9
SSE	.4	3.4	2.2									6.0	6.2
S	.5	6.2	10.9	1.7								18.9	7.6
SSW	.3	3.7	5.9	1.3	.1							11.3	8.0
SW		4.2	3.4	.9	.1							8.7	7.7
WSW	.5	2.4	2.9	.8								6.6	6.9
W	.1	2.8	2.2	.3								5.4	6.6
WNW	.1	1.6	.3									2.0	5.3
NW	.4	1.0	.5									2.0	5.3
NNW		1.0	.8									1.8	6.4
VARBL													
CALM												5.6	
	4.3	49.1	35.5	5.1	.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.3	2.8	.8	.0							6.2	7.7
NNE	.3	2.1	1.8	.6	.0							4.8	7.1
NE	.3	2.0	1.2	.4								3.8	6.5
ENE	.2	1.5	1.0	.1								2.7	6.1
E	.3	1.8	1.2	.1								3.4	6.1
ESE	.1	1.4	1.0	.1								2.7	6.5
SE	.1	2.1	1.2	.3	.0							3.8	6.4
SSE	.4	2.7	2.2	.4								5.7	6.6
S	.7	4.2	6.4	2.2	.1							13.6	7.9
SSW	.3	2.5	5.4	3.1	.2							11.5	9.0
SW	.1	2.6	4.3	3.3	.1							10.5	9.1
WSW	.3	2.8	4.3	2.4	.1							9.9	8.4
W	.3	2.6	3.1	1.1	.0							7.1	7.7
WNW	.2	1.5	1.6	.6		.0						4.0	7.3
NW	.2	1.1	1.5	.5	.0		.0					3.4	7.7
NNW	.1	1.2	1.6	.4	.0		.0					3.4	7.7
VARB													
CALM												3.4	
	4.0	34.6	40.8	16.6	.6	.0	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 6367

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-80
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.3	.9								4.0	8.2
NNE		1.6	.6	.6								2.7	7.2
NE	.6	2.0	1.0	.6								4.1	6.7
ENE	.1	1.3	1.1	.3								2.8	6.8
E		1.4	1.1									2.6	6.6
ESE	.3	1.0	.9	.1								2.3	6.3
SE	.1	3.1	1.4	.1								4.8	6.1
SSE	.1	5.1	3.6	.6	.1							9.5	6.9
S	.6	9.1	7.8	2.7								20.2	7.4
SSW	.3	4.3	5.5	1.4	.3							11.8	8.0
SW		2.8	3.4	1.0								7.3	8.0
WSW		2.1	2.8	.9								5.8	8.0
W	.1	2.1	3.7	1.0								9.0	7.9
WNW		.9	2.0	.9								3.7	8.8
NW		2.1	1.8	.6	.1							4.7	7.8
NNW		.4	.9	.6								1.8	8.8
VARB													
CALM												2.8	
	2.3	40.7	42.0	11.7	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

703

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246 MANSFIELD LAHM MAP OH

73-81

SEP

ALL WEATHER

0300-0500
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	2.1	.1								4.1	6.8
NNE	.4	.8	.8	.9								2.9	8.1
NE	.3	1.2	.9	.1								2.5	6.2
ENE		.5	.9									1.4	7.1
E	.3	1.8	1.4	.3								3.8	6.7
ESE	.1	1.0	.1									1.3	5.1
SE		2.6	2.0									4.6	6.2
SSE	.5	4.9	4.1	.7								10.1	6.7
S	.9	8.0	6.4	2.4								17.7	6.9
SSW	.5	3.8	6.7	1.3	.1							12.5	7.8
SW	.1	2.8	4.6	2.0	.1							9.6	8.3
WSW	.3	1.8	3.8	.5	.1							6.6	7.7
W	.3	2.0	4.2	.8								7.2	7.8
WNW		.9	2.0	.7								3.5	8.2
NW	.1	2.8	2.2	.4								5.5	7.1
NNW		1.8	.9	.7								3.4	7.3
VARBL													
CALM												3.3	
	3.8	38.6	43.2	10.8	.4							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	2.2	1.9								5.7	8.5
NNE	.4	1.1	1.4	.8								3.4	7.4
NNE		.8	.3									1.0	5.8
ENE	.4	.8	.9									2.0	5.8
E	.1	1.1	1.4	.3								2.9	7.0
ESE	.4	.9	1.0									2.3	6.3
SE	.1	2.2	1.9	.3								4.4	6.5
SSE	.9	3.5	3.7	.9								9.0	6.8
S	.9	7.1	7.2	1.8	.1							17.1	7.2
SSW	.5	3.5	5.2	2.0	.1	.1						11.5	8.2
SW	.4	3.4	4.3	2.9								10.5	8.4
WSW	.3	1.8	3.2	1.0	.1							6.3	8.0
W	.4	2.4	4.7	1.1	.1							8.7	8.1
WNW		1.3	1.3	.5								3.0	7.6
NW		1.6	1.6	.6								3.9	7.7
NNW	.4	1.0	2.0	.9								3.8	7.3
VABL													
CALM												4.3	
	5.8	33.8	42.2	13.7	.8	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725296 HANSFIELD LAHM MAP OH

73-81

SEP

ALL WEATHER

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	2.0	2.9								6.9	9.0
NNE		.5	2.0	.5								3.0	8.2
NE		.0	.0	1.0								2.5	9.1
NNE		.5	2.0	.1								2.6	7.8
E	.4	.9	2.5	.6								4.4	7.7
ESE	.3	.0	1.1	.5								2.6	7.6
SE	.1	1.1	1.9	.6	.1							3.9	8.3
SSE	.3	1.3	3.0	1.0								5.5	8.2
S	.1	2.0	6.1	4.2	.1							12.5	9.3
SSW		.0	4.2	3.3		.1						8.3	10.2
SW	.1	1.1	4.4	3.0	.4	.3						9.3	10.2
WSW	.3	1.5	6.3	3.0	.4	.1						11.6	9.7
W	.3	1.9	4.8	2.8	.3							9.7	9.1
WNW	.1	1.1	2.0	1.8								5.0	9.1
NW	.3	1.0	1.3	1.3	.1							3.9	9.0
NNW	.4	1.6	2.4	2.1	.3							6.8	9.0
VARB													
CALM												.4	
	2.8	18.7	47.3	28.8	1.4	.5						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHN MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	3.5	3.0	.1							8.3	9.7
NNE		.9	1.8	1.1								3.8	9.0
NE		1.0	1.4	.5	.1							3.0	8.4
ENE		1.1	1.5	.1								2.8	7.4
E		1.6	1.3	.5								3.3	7.0
ESE	.4	.4	.6	.3								1.6	7.2
SE	.1	.9	1.1	.8								2.9	8.0
SSE	.1	1.3	2.4	1.6	.1							5.5	9.0
S	.6	1.6	3.4	4.2	.9							10.7	10.3
SSW	.1	1.0	2.4	3.5	.1							7.2	10.5
SW	.3	.9	4.0	6.8	1.0							13.0	11.5
WSW	.1	1.3	4.2	3.6	.8							9.9	10.3
W	.4	1.5	3.9	4.5	.6							10.8	10.4
WNW		1.0	3.1	2.0	.1							6.3	9.4
NW		1.6	3.4	2.1								7.2	9.1
NNW	.1	.4	1.8	.8	.1							3.1	9.4
VARB													
CALM												.6	
	2.4	18.0	19.7	35.2	4.8							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5	5.3	2.9	.1							9.4	9.1
NNE		.9	1.6	1.0	.3							3.8	9.2
NE		.9	1.4	.1								2.9	7.9
ENE	.4	1.0	.9	.3								2.5	6.6
E	.4	1.0	1.5									3.8	6.2
ESE	.3	.8	1.3									2.3	6.8
SE	.4	1.0	2.5	.3								4.2	7.6
SSE		.5	1.6	2.0								4.2	9.6
S	.1	.6	2.9	3.2	.4							7.2	10.9
SSW	.1	.5	2.4	5.3	.1							8.5	11.3
SW	.4	1.0	4.4	5.4	.4							11.6	10.5
WSW		1.0	3.9	3.4								8.4	10.0
W	.6	2.7	4.1	3.5	.4							11.3	9.2
WNW		1.1	3.5	2.5								7.2	9.9
NW		1.6	3.8	2.2								7.6	8.9
NNW	.1	1.0	2.4	1.4								4.9	9.0
VARB.													
CALM												.8	
	2.8	18.1	53.7	33.0	1.6							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	3.3	4.2	.6								8.2	7.3
NNE		4.2	2.8	.6	.3							7.6	7.1
NE	.4	2.8	.5									3.7	5.2
ENE	.3	1.6	.9									2.8	5.6
E	.3	1.4	.8									2.4	5.9
ESE	.3	1.8	.5	.1								2.7	5.9
SE	.5	3.4	1.8	.1								5.8	6.0
SSE		2.2	3.2	.4								5.7	7.4
S	.3	2.8	5.4	.5								9.0	7.4
SSW	.3	3.7	3.8	1.9								9.6	8.1
SW	.3	3.9	5.2	2.0								11.4	8.0
WSW	.3	4.1	2.5	.8								7.6	7.0
W	.8	3.4	2.2	.4	.1							6.8	6.4
WNW	.3	2.3	2.3	.6	.1							5.6	7.4
NW	.1	2.7	1.6	.3	.1							4.8	7.0
NNW		2.2	2.4	.1								4.7	7.1
VARBL													
CALM												1.5	
	1.9	45.6	40.1	8.2	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

789

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAMM MAP OH
STATION NAME

73-81
YEAR

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.5	1.3	.5								4.9	6.9
NNE		1.7	1.8	.5	.1							4.2	7.6
NE	.5	3.0	1.2	.3	.1							5.1	6.5
NNE	.4	2.5	1.3	.1								4.3	5.6
E	.4	1.6	1.3									3.3	6.0
ESE	.4	2.4	.8									3.5	5.4
SE	.3	3.7	1.4	.1								5.5	6.0
SSE	.3	4.5	3.4	.3								8.4	6.5
S	.4	8.1	6.0	1.6								16.1	6.9
SSW		3.8	5.5	1.0	.1							10.5	7.8
SW	.1	2.4	3.4	2.1								8.0	8.7
WSW	.1	2.4	2.4	.9								5.8	7.6
W	.1	2.1	3.9	.7								6.8	7.8
WNW		1.3	3.3	.8								5.1	7.8
NW	.1	2.4	1.0	.3	.1							3.9	7.1
NNW		1.2	.7	.1								2.0	6.9
VARB													
CALM												2.5	
	3.7	95.4	38.8	9.1	.5							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

COBITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.9	2.9	1.8	.0							6.5	8.8
NNE	.1	1.5	1.7	.7	.1							4.0	7.9
NE	.2	1.5	.9	.3	.0							3.0	6.9
ENE	.2	1.2	1.2	.1								2.7	6.5
E	.2	1.5	1.4	.2								3.3	6.7
ESE	.3	1.1	.8	.1								2.3	6.3
SE	.2	2.2	1.8	.3	.0							4.5	6.7
SSE	.3	2.8	3.1	.9	.0							7.2	7.9
S	.5	4.8	5.6	2.6	.2							13.7	7.9
SSW	.2	2.6	4.4	2.5	.1	.0						9.9	8.8
SW	.2	2.3	4.2	3.1	.2	.0						10.1	9.3
WSW	.2	2.0	3.7	1.8	.2	.0						7.8	8.8
W	.4	2.3	4.1	1.9	.2							8.8	8.8
WNW	.0	1.2	2.9	1.2	.0							5.0	8.6
NW	.1	2.0	2.1	1.0	.1							5.2	8.1
NNW	.1	1.2	1.7	.8	.0							3.9	8.2
VARBL													
CALM												2.0	
	3.9	32.1	42.1	19.0	1.3	.1						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 6188

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-80
YEARS

061
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	1.9	.1	.1							4.5	6.7
NNE	.1	.8	1.2	.1	.3							2.6	8.4
NE	.1	1.5	.8		.1							2.6	6.6
ENE		1.1	.3									1.4	5.6
E		.3	1.0	.1								1.4	7.1
ESE		.4	1.0									1.4	7.1
SE	.3	2.2	2.7	1.0								6.2	7.6
SSE	.3	3.0	5.7	.5								9.6	7.9
S	.7	4.4	8.9	2.7	.1							16.8	8.1
SSW		2.2	4.8	3.6	.1							10.7	9.7
SW	.1	2.2	4.1	3.4	.8							10.7	10.0
WSW		2.2	3.3	1.6	.1							7.3	8.7
W	.1	2.2	6.2	2.6	.1							11.2	9.0
WNW		1.5	2.1	.8	.1							4.5	8.5
NW	.4	2.3	2.5	.8								6.0	7.4
NNW	.1	.7	1.1	.8								2.5	8.2
VARB.													
CALM												.8	
	2.7	28.9	47.5	18.1	2.1							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

HANSFIELD LAHN MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		1.2	2.0	.5								3.7	8.1
NNE		1.2	.9	.3								2.3	7.1
NE	.3	1.0	.4	.3								1.9	6.9
ENE	.3	.9	.5	.1								1.8	6.2
E		1.0	.8									1.8	6.6
ESE	.1	1.5	1.2									2.8	6.0
SE	.1	1.3	1.3	.6	.1							3.5	6.0
SSE		3.5	6.0	.9	.3							10.6	7.9
S	.9	3.2	9.9	2.8	.4	.1						17.3	8.7
SSW	.1	2.3	9.2	2.8	.3							9.7	9.2
SW	.1	1.3	3.7	4.0	.1	.1						9.3	10.3
WSW	.1	1.5	3.7	2.4	.4							8.2	9.7
W	.1	2.4	5.1	2.7								10.4	8.8
WNW	.3	1.4	3.7	1.4								6.8	8.6
NW		1.9	2.4	.6								5.0	7.6
NNW	.1	1.0	1.7	.3								3.1	7.0
VARBL													
CALM												1.8	
	2.6	26.6	47.5	19.7	1.5	.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	1.7	.6								3.8	7.6
NNE	.4	.6	.2	.2								1.5	6.3
NE	.5	.7	.7	.4								2.3	6.7
ENE	.1	1.0	.4	.2								1.7	6.6
E	.4	1.1	.7	.1								2.3	6.0
ESE	.1	1.1	.7	.1								2.1	5.9
SE	.5	1.1	1.8	.2		.1						3.8	7.8
SSE	.6	1.9	4.5	2.1	.2							9.3	8.4
S	.7	4.2	8.7	5.7	.2							19.6	8.9
SSW	.1	1.5	4.6	2.2	.1							8.5	9.2
SW	.2	1.3	2.8	2.2	.7							7.3	9.9
WSW	.1	1.1	4.8	3.9	.7							10.7	10.3
W	.1	1.8	5.8	2.8								10.5	8.9
WNW	.2	1.8	1.6	1.3								5.0	8.0
NW	.1	1.6	2.1	1.7	.2							5.7	9.0
NNW		.6	1.9	1.1	.1							3.8	9.4
VARBL													
CALM												2.3	
	4.5	22.7	43.2	24.8	2.4	.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	3.1	1.7								5.3	9.3
NNE		.6	.5	.4								1.5	8.1
NE		.6	1.1	.6								2.3	8.7
ENE		.7	.6	.2								1.6	7.2
E	.2	1.1	1.8	.4								3.6	7.2
ESE	.1	1.0	2.0	.6								3.7	8.1
SE		.9	1.5	.5								2.8	8.3
SSE	.2	.6	2.9	2.3	.2							6.4	10.2
S	.1	1.7	5.0	7.4	1.2							15.4	11.2
SSW	.1	.1	2.1	3.8	.6							6.7	12.2
SW	.1	1.2	2.3	4.4	.6							8.7	11.2
WSW		.7	4.4	5.3	.7	.2						11.4	11.7
W	.4	.6	5.5	3.8	.1							10.4	10.0
WNW	.1	.9	3.1	2.7	.5							7.2	10.4
NW	.2	1.2	2.8	3.9	.4	.1						8.7	10.8
NNW		.2	1.2	2.0	.1							3.6	10.9
VARBL													
CALM												.7	
	1.8	12.6	40.0	40.0	4.5	.4						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	2.8	2.2	.1							6.3	9.4
NNE	.1	.4	1.9	.4								2.8	8.1
NE		1.5	1.1	.5								3.0	7.3
ENE	.1	.2	.5	.2								1.1	8.0
E	.1	.6	.9	.6								2.2	8.6
ESE		.7	1.2	.6								2.6	8.1
SE	.1	1.1	1.2	.7								3.2	8.0
SSE		.2	1.5	1.7	.1							3.5	10.6
S	.2	1.2	4.4	6.5	1.9							14.3	11.7
SSW	.1	.2	1.7	5.4	1.2	.1						8.8	13.3
SW		1.1	1.7	6.1	.5	.1						9.5	11.5
WSW	.2	.4	2.8	5.1	1.5	.2						10.2	12.5
W		1.5	3.4	7.4	1.0							13.3	11.4
WNW	.1	1.0	2.2	3.0	.6	.1						7.1	10.8
NW		.6	3.4	2.4	.4							6.8	10.7
NNW		.7	1.8	1.7	.7							5.0	11.2
VARBL													
CALM												.4	
	1.5	12.4	32.5	44.6	8.0	.6						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 MANSFIELD LAHM MAP OH 73-81 OCT
STATION STATION NAME YEAR MONTH
ALL WEATHER 1500-1700
CLASS HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	4.9	2.8								8.0	9.6
NNE			1.1	1.2	.2							2.6	11.0
NE	.1	1.3	1.5	.5								3.4	7.8
ENE	.1	.6	1.0									1.7	6.6
E		.6	2.0	.4								2.9	8.3
ESE	.1	1.2	1.1	.1								2.6	6.7
SE		.9	1.6	.5								2.9	8.0
SSE	.1	.6	1.5	2.7								4.9	10.8
S	.1	.5	3.7	7.2	1.3							12.9	12.2
SSW	.2	.5	1.3	5.3	.5	.2						8.1	12.4
SW		1.3	3.5	4.5	.2							9.7	10.5
WSW	.4	1.0	3.8	3.7	.7	.1						9.7	10.9
W	.4	1.0	3.9	6.6	1.0							12.9	11.5
WNW		.9	2.9	2.7	.4							6.9	10.6
NW	.1	1.0	1.8	2.2	.7							5.9	10.6
NNW		.5	2.3	1.6	.1							4.5	9.8
VARBL													
CALM												.6	
	1.7	12.6	17.5	42.0	5.3	.4						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 MANSFIELD LAHM MAP OH
STATION

73-81

YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.7	2.9	1.0								7.8	7.2
NNE		2.8	1.9	.2	.2							5.2	7.3
NE	.2	2.7	1.0		.1							4.0	6.1
ENE		1.2	.5									1.7	5.7
E	.1	1.0	1.6	.2								2.9	7.5
ESE	.2	1.8	.7	.4								3.2	7.0
SE	.2	2.3	1.7	.4								4.6	6.8
SSE	.1	3.2	3.4	1.8	.1							8.6	8.3
S	.1	1.5	7.9	2.9	.1							12.5	9.9
SSW	.1	1.6	5.0	2.8	.1							9.6	9.5
SW	.1	3.4	4.3	.9								8.6	7.7
WSW	.4	3.0	2.6	1.9	.1							8.0	8.9
W	.1	1.7	2.9	2.3	.1							7.2	9.3
WNW	.1	.9	2.6	1.7	.1							5.4	9.9
NW	.1	1.9	2.7	1.1	.1	.1						6.1	8.8
NNW	.1	1.3	1.8		.1							3.4	7.3
VARBL													
CALM												1.0	
	2.4	34.0	43.5	17.7	1.3	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 MANSFIELD LAHM MAP OH 73-81 OCT
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.0	1.6	.5	.1							4.9	6.8
NNE	.3	1.6	1.5	.5	.3							4.2	7.7
NE	.3	2.0	.9									3.2	8.7
ENE	.1	1.3	1.0									2.4	6.1
E	.5	1.1	1.0									2.7	5.8
ESE		2.2	1.3	.1								3.5	6.6
SE	.1	2.0	1.9									4.1	6.5
SSE	.1	3.4	5.8	1.8	.1							11.3	8.1
S	.4	4.6	7.0	2.7	.1							14.7	8.3
SSW		1.6	3.8	4.4	.1							10.0	10.2
SW		1.4	4.3	3.0	.5							9.3	10.3
WSW	.3	2.0	3.5	1.1	.1							7.1	8.1
W	.3	1.5	3.2	2.5	.1							7.6	9.5
WNW		.9	2.2	1.9								4.9	9.6
NW	.1	1.6	2.5	1.6	.4							6.3	9.2
NNW	.1	1.0	1.3	.3								2.7	7.2
VARBL													
CALM												1.1	
	3.2	10.8	42.8	20.5	1.9							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 789

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHN MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	1.5	2.6	1.2	.0							5.6	8.2
NNE	.1	1.0	1.2	.4	.1							2.8	6.0
NE	.2	1.4	.9	.3	.0							2.9	6.9
ENE	.1	.9	.6	.1								1.7	6.4
E	.2	.9	1.2	.2								2.5	7.2
ESE	.1	1.2	1.1	.2								2.7	7.0
SE	.2	1.5	1.7	.5	.0	.0						3.8	7.6
SSE	.2	2.0	3.9	1.7	.1							8.0	8.6
S	.4	2.6	6.9	4.8	.7	.0						15.4	9.7
SSW	.1	1.2	3.4	3.8	.4	.0						9.0	10.6
SW	.1	1.7	3.3	3.6	.4	.0						9.1	10.2
WSW	.2	1.5	3.6	3.2	.6	.1						9.1	10.3
W	.2	1.6	4.5	3.9	.3							10.4	9.9
WNW	.1	1.1	2.5	2.0	.2	.0						6.0	9.6
NW	.1	1.5	2.5	1.8	.3	.0						6.3	9.4
NNW	.1	.8	1.7	.9	.2							3.6	9.2
VARBL													
CALM												1.1	
	2.5	22.4	41.7	28.6	3.4	.2						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 6901

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-80
YEAR

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	1.3	.1	.1							3.0	7.4
NNE		.3	.7	.3								1.3	9.2
NE		.6	.4	.1								1.1	7.5
ENE		.3	.7									1.0	7.3
E		.8	1.3	.6	.1							2.8	8.6
ESE		.8	.7	.3								1.8	7.9
SE		.3	1.8	1.0	.4							3.5	10.7
SSE		1.4	2.8	.8	.1							5.0	8.7
S	.1	3.4	6.8	5.4	1.4							16.8	10.1
SSW	.1	2.3	4.8	3.8	1.1							11.9	10.1
SW	.1	2.0	4.0	4.4	1.3							11.7	10.9
WSW		1.7	5.4	5.1	1.1							13.3	11.1
W	.4	2.9	5.8	3.7	.1							12.6	9.3
WWW	.1	1.7	3.1	1.8	.1							6.9	9.5
NW		1.0	.7	1.4	.1							3.3	9.9
NNW		.8	1.0	.6	.1							2.5	8.3
VARB													
CALM												1.4	
	1.0	21.8	80.7	79.1	6.8							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

707

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	.8	.7								2.6	8.0
NNE		.4	1.1	.1								1.6	6.1
NE	.1	.4	.3									.8	5.7
NNE	.1	.5	.1									.8	5.2
E		1.0	1.2	.3								2.5	7.7
ESE	.1	.7	1.5	.8								3.1	8.7
SE		.8	1.9	.7								3.4	8.7
SSE		1.0	2.9	1.4								5.2	9.1
S	.3	2.9	6.4	5.3	1.2							16.1	10.1
SSW		2.5	4.2	3.8	1.2	.3						11.7	10.6
SW	.1	1.8	6.1	4.2	1.0							13.2	10.6
WSW	.4	1.9	4.2	3.7	1.1							11.3	10.5
W	.1	3.0	6.0	3.0	.1							12.3	8.7
WNW		1.2	1.9	2.9	.3							6.3	10.5
NW	.1	1.6	2.3	1.2	.3							5.6	9.0
NNW		.1	1.0	.8								1.6	9.5
VARBL													
CALM												1.8	
	1.6	20.7	42.0	28.9	8.2	.3						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

NOV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	1.4	.3								2.9	7.0
NNE	.1	.4	.4	.1								1.0	6.8
NE	.3	.5	.6	.1	.3							1.8	8.4
ENE	.1	.9	.9									1.5	5.6
E	.1	.1	.6	.4								1.3	9.0
ESE		.8	.8	.3								1.8	7.5
SE		1.5	2.1	1.4	.3							5.3	9.2
SSE		1.5	2.1	1.4	.6	.1						5.8	10.0
S	.5	3.4	8.1	5.8	.8	.5						18.8	9.7
SSW	.4	1.3	4.0	2.4	1.1	.5	.1					9.8	11.2
SW	.3	1.8	4.2	4.2	1.1	.6						11.8	11.4
WSW		2.5	4.5	3.5	.9	.1						11.6	10.0
W	.4	2.0	5.2	3.8	.3							11.6	9.4
WWW		1.4	3.4	2.5	.5							7.8	10.0
NW	.1	.5	1.9	.8	.4							3.7	9.7
NNW		.6	.5	.9								2.0	9.1
VARBL													
CALM												1.6	
	2.8	19.6	40.3	27.7	5.9	1.9	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-01
YEARS

NOV
MONTH

ALL WEATHER
CLAS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	1.0	.7								3.0	7.8
NNE		.6	1.1	.1								1.9	7.1
NE		.7	1.0	.1								1.9	7.4
ENE		.4	.5	.2								1.1	6.4
E		.6	.6	.7								2.0	6.8
ESE		.6	1.9	.5	.1							3.1	6.5
SE	.4	.7	.9	1.0	.4							3.4	9.4
SSE		.5	1.7	3.7	.4							6.4	11.5
S	.1	1.9	4.7	6.0	1.4	.2						14.3	11.1
SSW	.1	1.0	3.5	4.0	1.4	.5						10.5	12.0
SW		1.5	3.1	6.0	2.4	.4						13.3	12.8
WSW		1.4	3.1	4.2	1.7	.6	.4					11.5	12.9
W		1.5	4.4	5.5	.5							11.8	10.8
WNW		1.4	2.2	2.7	.5							6.9	10.7
NW	.2	.6	1.9	2.0	.5							5.2	10.2
NNW	.1	.7	1.0	.6	.1							2.6	6.6
VARBL													
CALM												1.1	
	1.2	15.2	32.7	30.3	9.4	1.7	.4					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

802

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	1.5	1.1	.1							4.0	9.2
NNE	.1		1.1	.6								1.9	6.7
NE		.6	1.3	.5								2.4	8.3
ENE		.4	.3	.5								1.1	6.3
E	.4	.1	1.0	.1								1.6	7.2
ESE		.5	.9	.4								1.8	8.1
SE		.6	.8	1.0								2.4	9.6
SSE		.8	1.4	1.8	.4	.1						4.4	11.0
S	.4	.9	2.8	7.5	2.0	.3						13.8	12.4
SSW	.1		1.8	4.7	2.3	.3						9.1	14.0
SW	.1	.8	2.1	5.2	2.7	.4						11.3	13.5
WSW	.3	.8	3.9	6.6	1.8	.9	.3					14.4	13.0
W	.1	1.5	5.4	8.3	1.3	.1						16.8	11.5
WNW	.3	.3	1.5	1.9	.6							4.6	11.4
NW		.5	2.0	2.9	.8							6.2	11.8
NNW	.1	1.1	.8	.9	.1							3.0	8.5
VARBL													
CALM												1.1	
	2.3	9.7	28.6	44.0	12.0	2.0	.3					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

COORDINATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	1.6	1.3								4.6	8.5
NNE	.1	.3	1.5	.4								2.3	8.0
NE		1.0	.8	.4								2.1	7.5
ENE	.1	.5	.8	.3								1.6	7.5
E	.4	.5	1.5	.4								2.8	7.1
ESE	.1	.8	.8	.4								2.0	7.8
SE	.1	.4	.8	.8	.1							2.1	10.0
SSE	.1	.4	1.4	1.8	.1							3.8	10.5
S	.1	.8	3.8	7.6	1.9	.4						14.5	12.6
SSW		.1	2.5	3.9	2.4							9.0	13.4
SW		.8	2.3	5.6	.9							9.5	12.1
WSW	.1	1.4	2.8	7.0	1.6	.3						13.1	12.2
W	.3	1.8	5.8	7.8	.9	.1						16.7	10.9
WNW	.1	1.9	2.1	2.3	.4							6.8	9.7
NW	.4	1.3	2.9	1.6	.3							6.4	9.1
NNW		.3	1.3	1.0								2.5	9.6
VARBL													
CALM													
	2.1	13.5	32.6	42.8	8.6	.4						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
OF YR

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	1.8	.1								3.4	7.1
NNE	.3	2.3	1.0	.5	.1							4.2	7.1
NE	.3	1.0	.5	.4								2.1	6.9
ENE		.1	1.1									1.3	6.3
E	.1	.8	1.6	.1								2.6	7.5
ESE	.3	1.3	1.0	.3								2.8	6.8
SE		2.0	1.9	.1								4.0	6.8
SSE	.1	.9	1.9	1.4	.3							4.5	9.7
S		1.6	6.4	5.5	1.1	.1						14.9	10.8
SSW	.1	.9	2.9	3.2	1.0							8.1	11.2
SW	.3	3.2	4.2	3.8	.6							12.0	9.6
WSW	.4	2.8	4.2	4.2	.8	.3						12.5	10.2
W	.4	2.4	4.8	4.8	.5							12.9	9.7
WNW		1.8	1.4	2.0								5.2	9.0
NW	.3	1.4	.8	1.1								3.5	8.1
NNW	.3	1.4	1.3	.4	.1							3.4	7.3
VARBL													
CALM												2.6	
	2.8	25.1	36.7	27.9	4.5	.8						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	1.1	.5								3.9	7.2
NNE	.1	1.3	.4	.8								2.5	7.7
NE	.1	.5	.1	.3								1.0	6.5
ENE	.1	1.3	.5	.3								2.1	6.3
E		.5	2.0	.4	.1							3.0	9.1
ESE		.3	1.5	.4								2.1	8.2
SE		.8	1.6	1.0	.1							3.5	9.6
SSE	.3	1.3	2.1	.9	.4							4.9	8.8
S	.6	2.9	6.3	4.7	.8							15.3	9.6
SSW	.1	2.1	3.4	2.7	1.1							9.5	10.5
SW		2.1	5.1	4.4	1.1							12.8	10.6
WSW	.1	2.5	4.2	3.9	.9	.1						11.8	10.5
W	.3	1.9	5.4	4.8	.3							12.6	10.0
WNW		1.6	2.0	2.0	.3							5.9	9.8
NW	.1	.9	1.1	1.0	.1							3.3	9.7
NNW	.1	1.0	1.3		.3							2.7	8.2
VARB													
CALM												2.9	
	2.0	23.3	18.3	27.9	5.4	.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.3	.6	.0							3.4	7.8
NNE	.1	.7	.9	.4	.0							2.1	7.7
NE	.1	.7	.6	.2	.0							1.7	7.5
ENE	.1	.5	.6	.2								1.3	7.1
E	.1	.5	1.2	.4	.0							2.3	8.1
ESE	.1	.7	1.1	.4	.0							2.3	7.9
SE	.1	.9	1.5	.9	.2							3.5	9.1
SSE	.1	1.0	2.0	1.7	.3	.0						5.0	10.0
S	.3	2.2	5.6	6.0	1.3	.2						15.5	10.8
SSW	.1	1.2	3.4	3.5	1.5	.2	.0					9.9	11.6
SW	.1	1.7	3.9	4.7	1.4	.2						11.9	11.9
WSW	.2	1.9	4.0	4.8	1.2	.3	.1					12.4	11.3
W	.2	2.1	5.3	5.3	.5	.0						13.4	10.2
WNW	.1	1.4	2.2	2.3	.3							6.3	10.1
NW	.2	1.0	1.7	1.5	.3							4.7	9.8
NNW	.1	.8	1.0	.6	.1							2.6	8.5
VARBL													
CALM												1.6	
	2.0	18.5	36.4	33.3	7.2	.9	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 6202

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-80
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.4	1.5	.3							4.1	9.9
NNE	.3	.8	1.0	.8	.1							3.0	8.7
NE		.3	.4	.1								.8	8.2
ENE		1.0	.4	.4								1.8	7.9
E		.6	1.4	.3								2.2	8.6
ESE		.4	1.5	.8								2.8	10.0
SE		1.1	2.1	.6								3.7	8.2
SSE		1.4	2.9	1.5	.1							5.9	8.9
S		1.5	4.0	5.9	.6							12.0	11.0
SSW		1.8	4.0	4.8	1.1	.7						12.4	12.0
SW	.1	1.7	5.2	3.9	2.5							13.3	11.5
WSW	.1	1.0	4.8	4.8	1.4	.1						12.2	11.7
W		1.5	3.2	5.0	.6							10.2	11.1
WNW		1.4	2.9	2.5	.6							7.3	10.1
NW	.3	.6	1.5	1.5	.4							4.3	10.6
NNW		.1	1.2	1.1								2.5	10.4
VARBL													
CALM												1.5	
	.8	16.0	37.8	35.5	7.6	.8						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OM
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.3	1.0	.1							3.8	9.0
NNE	.1	.4	1.4	1.0	.3							3.3	10.2
NE		.8	.8									1.6	7.1
ENE		.4	.5	.1	.1							1.2	8.6
E		1.4	.9	.5								2.9	7.5
ESE		.3	1.3	.5								2.1	9.1
SE		.7	1.2	1.2	.1							3.1	10.0
SSE		1.7	3.7	1.6								6.9	8.9
S	.3	3.1	5.1	3.9	.8							13.2	9.6
SSW		1.0	3.4	5.6	1.2	.3						11.5	12.3
SW	.1	1.0	3.9	4.6	2.1	.3						12.0	12.3
WSW		.5	3.8	5.0	.8	.3						10.3	12.1
W		2.6	5.2	4.7	.9	.3						13.2	10.3
WNW	.3	1.2	2.5	2.0	.1							6.0	9.3
NW	.1	.5	2.2	1.4	.4							4.7	10.4
NNW		.5	1.3	.3	.1							2.2	8.7
VARBL													
CALM												2.0	
	1.0	17.9	38.6	33.5	6.5	1.0						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

765

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246 HANSFIELD LAHM MAP OH

73-81

DEC

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

CLASS

0600-0000

POWER (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	2.3	1.3	.2							5.2	8.8
NNE		.4	.9	.1								1.3	8.5
NE	.1	.9	1.0	.4	.2							2.6	8.6
ENE	.1	.6	.9	.4								1.9	7.9
E		.4	.9	.4								1.6	8.2
ESE		.4	.6	.1								1.1	7.9
SE		1.1	1.5	1.7								4.3	9.5
SSE	.1	1.2	3.4	2.3	.1							7.2	9.6
S	.5	2.1	7.7	8.3	.7	.2						19.4	10.4
SSW		1.2	2.7	4.5	1.0	.7						10.1	12.5
SW		.5	3.4	3.3	1.2	.1						8.5	11.9
WSW		1.5	3.9	4.4	1.0		.1					10.8	11.2
W	.1	1.5	4.1	3.0	1.1	.1	.2					10.2	11.1
WNW	.2	1.5	2.4	1.6	.2							6.0	9.3
NW	.1	1.5	1.2	2.7	.5							6.0	10.6
NNW		.2	.9	.5	.2							1.8	10.7
VARB													
CALM												2.1	
	1.9	15.4	37.5	34.9	6.6	1.2	.4					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.6	1.3	.6	.1						9.6	10.8
NNE	.1	.6	.9	.2								1.8	8.1
NE	.1	1.1	.9	.9								2.0	7.1
ENE		.5	1.3	.2	.2							2.3	9.3
E		.6	1.0	.1								1.7	7.6
ESE		.5	.4	.4								1.2	8.2
SE	.1	.2	1.2	.6								2.2	8.9
SSE	.1	.2	3.0	3.8	.1							7.1	10.6
S		2.1	5.8	9.0	1.6	.2						18.9	11.9
SSW	.2	.4	2.3	5.0	2.0	.7						10.6	13.7
SW	.1	1.1	2.6	5.7	1.5	.2	.2					11.5	12.2
WSW		.9	2.6	5.1	1.5							10.0	12.1
W	.1	.6	5.1	3.9	1.7	.2						11.2	11.8
WNW	.1	1.5	1.3	2.6	.5							6.0	10.9
NW		.5	1.7	2.1	.9							5.1	11.7
NNW	.1	.7	.6	.7	.1							2.3	8.8
VARB													
CALM												2.0	
	1.5	12.2	11.8	80.8	18.6	1.6	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.1	2.1	.5							4.5	11.3
NNE		.1	.9	.1								1.1	7.6
NE	.1	.6	1.2	.5								2.4	7.9
ENE		.7	.7	.1								1.6	6.8
E		.4	1.1	.2								1.7	8.3
ESE	.1	.4	.9	.5								1.8	8.6
SE		.2	1.5	1.1	.2							3.1	10.6
SSE	.1	.6	2.1	1.1	.2							4.2	9.6
S		.9	4.3	7.2	2.2	.5						15.0	12.6
SSW	.1	.6	2.1	6.1	2.1	1.0						12.0	14.1
SW	.4	.9	1.6	5.4	2.6	.7						11.5	13.5
WSW	.2	1.0	4.3	5.1	1.1	.4	.1					12.2	11.9
W	.1	1.6	3.3	5.5	1.5	.6	.1					12.7	12.3
WNW		.4	1.8	3.3	1.0							6.5	12.4
NW		.2	2.0	2.8	.5							5.5	11.5
NNW	.1	.5	1.2	1.2	.6							3.7	10.9
VARBL													
CALM												.6	
	1.5	9.8	29.9	42.4	12.5	3.2	.2					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.7	3.0	.1							6.6	9.9
NNE		.5	1.1	.6								2.2	8.6
NE		.4	1.1									1.5	7.3
ENE		.9	.7									1.6	6.8
E	.1	1.1	.7	.4								2.3	7.2
ESE	.1	.6	.7	.2								1.7	7.6
SE	.1	.4	1.8	1.0	.2							3.6	9.8
SSE		.6	1.5	1.4	.1							3.6	10.1
S		1.0	4.4	7.9	2.8	.4						16.5	12.8
SSW		.4	2.0	3.9	2.2	.4	.1					9.0	14.1
SW	.1	.9	3.7	4.3	3.3							12.3	12.6
WSW	.2	1.4	3.8	3.7	1.8	.2	.1					10.9	11.7
W		2.1	3.4	5.2	1.9	.4						12.4	11.6
WNW	.2	1.0	1.7	2.1	.8							5.4	10.3
NW		1.1	2.1	1.8	.8							5.2	10.3
NNW		.6	.5	2.2	.6							3.9	12.2
VARB													
CALM												1.2	
	1.1	10.5	31.1	37.3	13.2	1.4	.2					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTHS

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.7	1.8	.1							6.4	8.1
NNE		.5	.4	.5								1.4	8.9
NE	.4	.7	.6									1.7	5.5
ENE		1.2	1.0	.1								2.3	6.9
E		1.0	1.2	.2								2.5	7.7
ESE	.1	.1	1.8	.2								2.3	7.7
SE		.7	.7	.9								2.3	9.2
SSE	.1	1.1	2.6	1.0	.1							4.9	9.0
S		1.5	4.3	8.1	2.7							16.6	12.2
SSW	.1	.4	2.6	6.0	1.5							10.6	12.6
SW	.4	1.2	3.2	3.7	1.0							9.6	11.3
WSW		3.0	4.9	4.6	1.1	.2	.1					13.9	10.7
W	.5	1.7	2.8	3.2	.9	.2						9.4	10.5
WNW	.1	1.0	.9	1.7	.4							4.1	10.6
NW		1.0	1.4	2.8	.5	.1						5.4	11.6
NNW	.1	.6	1.0	1.4	.2							3.3	10.5
VARB.													
CALM												3.2	
	2.8	17.5	31.2	36.0	8.5	.7	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	1.7	2.1								5.2	9.4
NNE	.2	1.0	.2	.4								1.8	6.8
NE		.9	.1									1.0	5.1
NNE		1.0	.9									1.8	6.6
E		.7	2.3	.2								3.3	7.9
ESE	.1	.6	1.0	.7								2.5	8.8
SE	.4	1.0	1.4	.7								3.7	8.0
SSE		1.0	2.6	.9								4.4	8.8
S	.4	1.4	5.0	7.4	1.7	.2						16.4	11.8
SSW	.9	1.6	3.3	4.6	1.8	.2						11.7	11.6
SW		1.4	3.0	3.9	.7							9.2	11.2
WSW	.1	1.5	4.4	4.4	1.4	.1						11.9	11.3
W	.1	1.8	3.2	5.4	.8							11.1	10.9
WNW	.1	.6	2.5	1.8	.2	.1						5.4	10.8
NW	.1	.5	1.7	2.7	.4	.1						5.5	11.8
NNW		.2	1.2	2.2	.1							3.8	11.7
VARB													
CALM												1.2	
	2.1	17.0	14.8	37.5	6.5	.9						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

DEC
MONTH

ALL WEATHER
CLASS

ALL
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.6	1.8	.3	.0						5.1	9.6
NNE	.1	.5	.8	.5	.0							2.0	8.6
NE	.1	.7	.7	.2	.0							1.7	7.3
ENE	.0	.8	.8	.2	.0							1.8	7.6
E	.0	.8	1.2	.3								2.3	7.8
ESE	.1	.4	1.0	.4								1.9	8.6
SE	.1	.7	1.4	1.0	.1							3.2	9.2
SSE	.1	1.0	2.7	1.7	.1							5.5	9.5
S	.1	1.7	5.1	7.3	1.7	.2						16.0	11.5
SSW	.1	.9	2.8	5.1	1.6	.5	.0					11.0	12.8
SW	.2	1.1	3.3	4.3	1.8	.2	.0					11.0	12.1
WSW	.1	1.3	4.1	4.6	1.2	.2	.1					11.5	11.5
W	.1	1.7	3.8	4.4	1.0	.2	.0					11.3	11.2
WNW	.1	1.0	2.0	2.2	.4	.0						5.8	10.4
NW	.1	.7	1.7	2.2	.5	.0						5.2	11.1
NNW	.0	.5	1.0	1.2	.3							3.0	10.7
VARB													
CALM												1.7	
	1.6	19.9	39.0	37.2	9.0	1.9	.2					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 6392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.6	1.5	.2	.0						6.2	8.8
NNE	.1	1.3	1.5	.6	.1	.0	.0					3.8	8.2
NE	.2	1.3	1.2	.5	.0	.0						3.2	7.5
ENE	.1	1.0	.9	.3	.0							2.2	7.2
E	.1	1.0	1.3	.4	.0							2.9	7.6
ESE	.1	.9	1.1	.4	.0							2.6	7.7
SE	.1	1.3	1.7	.9	.1	.0						4.1	8.3
SSE	.2	1.8	2.7	1.5	.2	.0	.0					6.4	8.9
S	.3	2.8	5.0	4.1	.8	.1	.0					13.4	10.0
SSW	.1	1.6	3.3	3.3	.9	.2	.0	.0				9.5	10.9
SW	.1	1.6	3.2	3.6	.8	.2	.0					9.6	10.9
WSW	.1	1.7	3.6	3.7	.8	.2	.0	.0				10.2	10.9
W	.2	1.7	4.0	3.7	.6	.1	.0					10.3	10.9
WNW	.1	1.1	2.2	1.8	.2	.0	.0					5.5	9.8
NW	.1	1.1	1.9	1.6	.2	.0	.0					5.0	9.7
NNW	.1	.8	1.4	.9	.1	.0	.0					3.4	9.3
VARB													
CALM												1.8	
	2.4	22.8	37.4	29.2	5.1	1.0	.1	.0				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

76459

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	3.3	3.2	.6	.0						8.6	10.4
NNE	.1	1.0	1.9	1.4	.3	.0						4.7	9.6
NE	.2	.8	1.4	.7	.1							5.2	8.6
ENE	.1	.6	.8	.4	.1							1.9	8.3
E	.1	.7	1.3	.5	.0							2.6	8.1
ESE	.1	.7	1.1	.4	.0							2.2	8.2
SE	.1	.7	1.7	1.1	.1							3.8	9.4
SSE	.1	.9	2.2	1.6	.2	.1						5.0	9.8
S	.1	1.7	3.8	4.0	.8	.1	.0					10.5	10.6
SSW	.1	.8	2.3	2.5	.6	.1						6.4	11.2
SW	.1	1.0	2.4	3.5	.8	.2	.0					8.0	11.5
WSW	.1	1.0	3.4	4.6	1.3	.4	.0					10.9	12.0
W	.1	1.6	4.8	5.7	1.1	.2	.0					13.4	11.2
WNW	.1	1.0	2.4	2.8	.4	.1	.0					6.8	10.7
NW	.1	.8	2.2	2.4	.4	.1						6.0	10.9
NNW	.1	.7	2.0	1.8	.3	.0	.0					4.9	10.5
VARBL													
CALM												1.1	
	1.7	15.3	36.9	36.7	7.1	1.2	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 13839

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING															
≥ 1800															
≥ 1500					91.0										92.6
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500										97.4					98.1
≥ 400															
≥ 300															
≥ 200															
≥ 100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	22.9	28.9	29.4	30.6	31.1	31.1	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	23.7	30.8	31.3	32.7	33.2	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 18000	23.7	30.8	31.3	32.7	33.2	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 16000	23.7	30.8	31.3	32.7	33.2	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 14000	23.7	30.8	31.3	32.7	33.2	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 12000	24.5	31.7	32.2	33.5	34.0	34.0	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 10000	25.9	33.7	34.9	36.4	36.8	36.8	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 9000	25.9	33.7	34.9	36.4	36.8	36.8	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 8000	26.3	34.6	36.1	37.7	38.2	38.2	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 7000	26.6	35.1	36.5	38.1	38.6	38.6	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 6000	27.7	37.2	38.7	40.3	41.0	41.0	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 5000	30.6	41.1	43.3	45.7	46.6	46.6	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4500	31.1	41.6	43.8	46.1	47.1	47.1	47.2	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 4000	31.8	43.5	45.9	48.3	49.4	49.4	49.6	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 3500	32.3	44.7	47.1	49.6	50.7	50.7	50.8	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 3000	32.9	45.8	48.5	51.0	52.1	52.1	52.3	52.5	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 2500	33.8	48.1	51.0	53.9	55.0	55.1	55.3	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 2000	35.7	52.4	56.2	59.5	61.4	61.8	62.5	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 1800	35.7	53.7	57.9	60.8	62.9	63.3	64.0	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 1500	37.3	58.5	62.8	66.6	69.3	69.6	71.0	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1200	37.7	59.7	64.6	68.8	71.6	72.0	73.6	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1000	37.9	60.8	66.3	70.6	73.7	74.2	76.5	77.2	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7
≥ 900	37.9	61.1	66.6	70.9	74.1	74.5	77.1	78.0	78.0	78.5	78.6	78.6	78.7	78.7	78.7	78.7
≥ 800	37.9	62.3	68.2	73.1	76.7	77.4	80.3	81.4	81.4	82.1	82.4	82.4	82.5	82.5	82.5	82.5
≥ 700	37.9	62.9	68.9	73.9	77.6	78.2	81.2	82.3	82.3	83.1	83.4	83.4	83.5	83.5	83.5	83.5
≥ 600	37.9	63.4	69.5	74.7	79.7	80.4	84.1	85.2	85.2	86.3	86.9	86.9	87.0	87.0	87.0	87.0
≥ 500	37.9	63.8	69.9	75.8	80.9	81.9	86.2	87.5	87.5	88.7	89.5	89.5	89.6	89.6	89.6	89.6
≥ 400	37.9	64.0	70.5	76.6	82.3	83.4	87.8	89.2	89.2	90.5	91.2	91.2	91.3	91.3	91.3	91.3
≥ 300	37.9	64.0	70.6	76.9	82.7	83.8	88.6	90.5	90.5	91.9	92.7	92.7	92.8	92.8	92.8	92.8
≥ 200	37.9	64.0	70.6	76.9	82.7	83.8	88.7	90.9	90.9	92.9	94.0	94.0	94.5	94.5	94.5	94.5
≥ 100	37.9	64.0	70.6	76.9	82.7	83.8	88.9	91.1	91.1	93.1	95.0	95.0	96.1	96.1	96.7	97.6
≥ 0	37.9	64.0	70.6	76.9	82.7	83.8	89.1	91.7	91.7	94.0	96.0	96.0	97.2	97.2	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 517

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700746 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	20.6	27.2	27.9	29.1	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 20000	21.4	28.8	29.5	30.7	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 18000	21.4	28.8	29.5	30.7	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 16000	21.4	28.8	29.5	30.7	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 14000	21.5	29.1	29.9	31.1	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 12000	22.0	29.6	30.4	31.6	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 10000	23.5	31.2	32.7	34.1	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 9000	23.5	31.2	32.7	34.1	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 8000	23.8	32.1	33.6	35.4	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 7000	24.1	32.6	34.1	35.9	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 6000	25.3	34.9	36.4	38.3	39.4	39.5	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 5000	27.0	39.1	40.6	42.5	44.1	44.3	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 4500	27.4	39.6	41.2	43.3	44.9	45.2	45.6	45.6	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4000	28.3	41.4	43.0	45.1	46.7	46.9	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 3500	28.8	42.6	44.2	46.3	47.9	48.1	48.5	48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 3000	29.5	43.7	45.3	47.5	49.5	49.8	50.2	50.2	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 2500	30.7	47.9	50.0	52.9	54.7	54.9	55.6	55.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 2000	32.5	52.8	55.3	57.9	60.7	61.0	62.0	62.1	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 1800	32.8	53.8	56.3	59.0	61.9	62.1	63.1	63.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 1500	34.1	59.6	62.8	66.4	69.6	69.9	71.5	71.6	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1200	34.8	60.9	64.1	67.9	71.1	71.4	73.1	73.2	73.3	74.0	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1000	35.3	62.6	66.1	71.0	74.3	74.6	77.0	77.2	77.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
≥ 900	35.3	62.6	66.3	71.2	74.6	74.9	77.4	77.7	77.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1
≥ 800	35.6	64.1	68.1	73.2	77.5	77.9	80.7	81.5	81.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0
≥ 700	35.6	64.3	68.4	73.5	77.8	78.1	81.0	81.7	81.9	82.8	83.2	83.2	83.2	83.2	83.2	83.2
≥ 600	35.6	64.3	68.5	73.8	78.5	78.9	82.0	82.8	83.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4
≥ 500	35.6	64.3	68.5	74.1	79.8	80.1	83.7	84.8	84.9	86.2	86.9	86.9	86.9	86.9	86.9	86.9
≥ 400	35.6	64.8	69.3	74.9	82.0	82.3	86.9	88.5	88.6	90.2	91.1	91.1	91.5	91.6	91.6	91.6
≥ 300	35.6	64.8	69.3	74.9	82.2	82.6	87.5	89.3	89.5	91.2	92.3	92.3	92.8	93.0	93.0	93.0
≥ 200	35.6	64.8	69.3	74.9	82.3	82.7	88.1	90.1	90.4	92.8	94.2	94.2	94.8	95.2	95.4	95.4
≥ 100	35.6	64.8	69.3	74.9	82.3	82.7	88.5	90.7	91.0	93.5	94.9	94.9	96.4	96.8	98.3	98.3
≥ 0	35.6	64.8	69.3	74.9	82.3	82.7	88.6	91.0	91.2	93.7	95.2	95.2	96.7	97.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 810

1985

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

730246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	10.0	19.9	20.8	21.5	21.9	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥20000	11.1	22.4	23.3	24.1	24.8	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥18000	11.1	22.4	23.3	24.1	24.8	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥16000	11.1	22.4	23.3	24.1	24.8	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥14000	11.2	22.5	23.5	24.2	24.9	25.6	25.6	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥12000	11.4	23.5	24.8	25.5	26.4	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥10000	11.7	24.9	26.4	27.1	27.9	28.7	28.8	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥9000	11.7	25.0	26.6	27.3	28.3	29.0	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥8000	11.9	26.1	27.9	28.7	29.6	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥7000	12.3	27.3	29.2	29.9	31.0	31.7	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥6000	12.3	27.6	29.5	30.5	31.7	32.4	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥5000	12.3	29.6	31.7	32.7	33.9	34.8	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥4500	12.6	31.0	33.0	34.3	35.5	36.3	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥4000	12.6	31.2	33.3	34.5	35.7	36.6	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥3500	13.1	33.4	35.6	37.2	38.5	39.4	39.6	39.6	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥3000	13.9	35.4	37.9	39.6	40.9	41.8	42.2	42.2	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥2500	14.7	38.4	41.2	43.0	44.6	45.6	45.9	45.9	45.9	46.4	46.4	46.4	46.5	46.5	46.5	46.5
≥2000	15.3	42.3	46.3	48.4	50.2	51.3	52.2	52.5	52.5	53.0	53.0	53.0	53.1	53.1	53.1	53.1
≥1800	15.6	43.5	47.9	50.1	52.0	53.1	54.2	54.6	54.6	55.0	55.0	55.0	55.2	55.2	55.2	55.2
≥1500	17.0	47.6	52.9	55.7	58.4	59.8	61.2	61.6	61.6	62.3	62.5	62.5	62.6	62.6	62.6	62.6
≥1200	17.5	49.8	55.9	58.9	62.2	63.7	65.4	65.9	65.9	66.7	66.8	66.8	67.0	67.0	67.0	67.0
≥1000	17.7	50.8	57.0	61.0	65.0	66.8	68.8	69.4	69.4	70.4	70.6	70.6	70.8	70.8	70.8	70.8
≥900	17.9	51.3	57.5	61.7	65.9	67.7	69.7	70.4	70.4	71.8	72.1	72.1	72.3	72.3	72.3	72.3
≥800	18.2	52.4	59.2	63.7	68.0	70.1	72.5	73.3	73.3	75.0	75.3	75.3	75.6	75.6	75.6	75.6
≥700	18.3	53.7	60.8	65.2	70.2	72.3	74.8	75.9	75.9	77.9	78.3	78.3	78.6	78.6	78.6	78.6
≥600	18.3	54.6	61.8	66.6	72.5	75.0	78.0	79.8	79.8	82.1	83.1	83.1	83.5	83.5	83.5	83.5
≥500	18.3	55.4	62.9	67.9	74.2	76.7	79.8	82.3	82.4	84.8	86.1	86.1	86.5	86.5	86.5	86.5
≥400	18.3	55.7	63.2	68.3	75.5	78.4	82.5	85.5	85.7	88.3	89.9	89.9	90.4	90.4	90.5	90.5
≥300	18.3	55.7	63.2	68.4	75.7	78.9	83.2	86.5	86.6	89.8	91.7	91.7	92.3	92.5	92.6	92.6
≥200	18.3	55.7	63.3	68.5	75.8	79.0	83.8	87.7	87.8	91.5	93.8	93.8	95.3	95.5	96.2	96.4
≥100	18.3	55.7	63.3	68.5	75.8	79.0	83.8	87.7	87.8	91.5	94.0	94.0	95.6	95.9	97.4	98.2
≥0	18.3	55.7	63.3	68.5	75.8	79.0	83.8	87.7	87.8	91.5	94.0	94.0	95.9	96.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 HANSFIELD LAHM MAP OH

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	2.7	19.4	21.4	21.9	22.9	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.3
≥ 20000	3.8	25.2	27.8	28.4	29.5	29.7	30.1	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.4
≥ 18000	3.8	25.2	27.8	28.4	29.5	29.7	30.1	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.4
≥ 16000	3.8	25.3	27.9	28.5	29.6	29.8	30.2	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.6
≥ 14000	3.8	25.4	28.0	28.6	29.7	30.0	30.3	30.3	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.7
≥ 12000	3.8	26.0	29.1	29.8	30.9	31.2	31.5	31.5	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.9
≥ 10000	3.8	26.9	30.1	30.8	32.0	32.3	32.6	32.6	32.8	32.9	32.9	32.9	32.9	32.9	32.9	33.0
≥ 9000	3.9	27.1	30.3	31.1	32.3	32.5	32.9	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.3
≥ 8000	3.9	28.0	31.4	32.2	33.5	33.7	34.2	34.2	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.6
≥ 7000	3.9	28.5	32.2	33.3	34.6	34.8	35.3	35.3	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.7
≥ 6000	3.9	28.6	32.4	33.5	34.8	35.2	35.7	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	36.1
≥ 5000	3.9	29.3	33.3	34.8	36.4	36.8	37.4	37.5	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.3
≥ 4500	4.0	30.6	34.6	36.2	37.8	38.1	38.8	38.9	39.0	39.5	39.5	39.5	39.5	39.5	39.5	39.6
≥ 4000	4.0	31.1	35.1	36.7	38.3	38.6	39.2	39.4	39.5	40.0	40.0	40.0	40.0	40.0	40.0	40.1
≥ 3500	4.0	33.0	37.0	38.8	40.3	40.7	41.4	41.6	41.7	42.2	42.2	42.2	42.2	42.2	42.2	42.3
≥ 3000	4.0	34.6	38.9	40.6	42.3	42.7	43.5	43.6	43.8	44.5	44.5	44.5	44.5	44.6	44.6	44.7
≥ 2500	4.3	37.3	42.3	44.0	46.1	46.6	48.0	48.0	49.0	50.1	50.2	50.2	50.4	50.4	50.4	50.5
≥ 2000	4.3	40.0	45.6	47.7	50.4	51.5	53.3	54.3	54.6	56.1	56.2	56.2	56.4	56.4	56.5	56.6
≥ 1800	4.3	40.6	46.3	48.5	51.2	52.3	54.2	55.1	55.5	57.0	57.1	57.1	57.2	57.2	57.3	57.5
≥ 1500	4.8	45.5	51.3	53.9	57.5	59.0	61.4	62.6	63.1	64.7	64.9	64.9	65.0	65.0	65.2	65.3
≥ 1200	5.0	46.2	53.1	56.0	59.9	61.5	64.1	65.8	66.3	67.8	68.2	68.2	68.3	68.3	68.5	68.6
≥ 1000	5.0	46.7	53.7	57.0	61.2	62.8	65.8	67.7	68.2	69.8	70.7	70.7	70.9	70.9	71.0	71.1
≥ 900	5.0	47.4	54.6	58.1	62.3	64.4	68.0	70.2	70.7	72.6	73.6	73.6	73.8	73.8	74.0	74.1
≥ 800	5.0	47.7	55.0	58.9	63.2	65.8	69.8	72.2	72.7	75.2	76.3	76.3	76.9	76.9	77.0	77.1
≥ 700	5.0	47.9	55.3	59.7	64.5	67.1	72.0	74.6	75.1	78.1	79.3	79.3	80.1	80.1	80.2	80.3
≥ 600	5.0	48.7	56.1	60.8	66.0	68.9	74.7	77.8	78.2	81.4	83.1	83.1	84.0	84.0	84.1	84.2
≥ 500	5.0	48.8	56.6	61.4	66.7	69.9	76.2	80.1	80.7	84.2	86.3	86.3	87.7	87.7	87.9	88.0
≥ 400	5.0	48.8	56.6	61.5	67.4	70.8	77.3	81.7	82.3	86.7	89.1	89.1	90.6	90.6	90.8	91.0
≥ 300	5.0	48.8	56.6	61.5	67.4	70.8	77.5	82.2	83.0	88.8	91.6	91.6	93.2	93.2	93.4	93.5
≥ 200	5.0	48.8	56.6	61.6	67.5	71.0	78.1	83.1	84.0	90.3	93.9	93.9	96.3	96.3	96.8	96.9
≥ 100	5.0	48.8	56.6	61.6	67.5	71.0	78.1	83.1	84.0	90.3	93.9	93.9	96.6	96.6	97.6	98.5
≥ 0	5.0	48.8	56.6	61.6	67.5	71.0	78.1	83.1	84.0	90.3	93.9	93.9	96.6	96.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 818

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 MANSFIELD LAHM MAP OH

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	4.1	22.7	23.2	23.6	24.3	24.4	24.7	24.7	24.7	24.9	25.1	25.1	25.1	25.1	25.1	25.1
≥ 20000	4.6	28.0	28.5	28.9	29.8	30.1	30.6	30.6	30.6	31.0	31.1	31.1	31.1	31.1	31.1	31.1
≥ 18000	4.6	28.0	28.5	28.9	29.8	30.1	30.6	30.6	30.6	31.0	31.1	31.1	31.1	31.1	31.1	31.1
≥ 16000	4.6	28.0	28.5	28.9	29.8	30.1	30.6	30.6	30.6	31.0	31.1	31.1	31.1	31.1	31.1	31.1
≥ 14000	5.0	28.0	29.3	29.7	30.5	30.9	31.4	31.4	31.4	31.8	31.9	31.9	31.9	31.9	31.9	31.9
≥ 12000	5.1	29.9	30.5	30.9	31.8	32.1	32.6	32.6	32.6	33.0	33.1	33.1	33.1	33.1	33.1	33.1
≥ 10000	5.1	31.0	31.6	32.0	32.9	33.3	33.7	33.7	33.7	34.1	34.2	34.2	34.2	34.2	34.2	34.2
≥ 9000	5.1	31.0	31.6	32.0	33.0	33.4	33.9	33.9	33.9	34.2	34.4	34.4	34.4	34.4	34.4	34.4
≥ 8000	5.1	32.3	32.6	33.0	34.0	34.4	34.9	34.9	34.9	35.2	35.4	35.4	35.4	35.4	35.4	35.4
≥ 7000	5.3	32.9	33.6	34.4	35.4	35.7	36.2	36.2	36.2	36.6	36.7	36.7	36.7	36.7	36.7	36.7
≥ 6000	5.3	33.0	33.7	34.5	35.5	35.9	36.4	36.4	36.4	36.7	36.8	36.8	36.8	36.8	36.8	36.8
≥ 5000	5.3	33.3	34.0	34.7	35.9	36.4	36.8	36.8	36.8	37.2	37.3	37.3	37.3	37.3	37.3	37.3
≥ 4500	5.3	34.2	35.1	35.9	37.0	37.5	38.0	38.0	38.0	38.3	38.5	38.5	38.5	38.5	38.5	38.5
≥ 4000	5.3	34.7	35.7	36.5	37.6	38.1	38.6	38.6	38.6	39.1	39.2	39.2	39.2	39.2	39.2	39.2
≥ 3500	5.5	35.9	37.2	38.0	39.2	39.7	40.2	40.2	40.2	40.7	40.8	40.8	40.8	40.8	40.8	40.8
≥ 3000	5.9	37.6	39.1	39.8	41.2	41.7	42.3	42.6	42.6	43.3	43.8	43.8	43.8	43.8	43.8	43.8
≥ 2500	6.0	40.6	42.8	43.7	45.0	45.7	46.4	46.9	47.0	47.9	48.4	48.4	48.4	48.4	48.4	48.4
≥ 2000	6.5	44.5	47.1	48.3	49.9	50.7	51.6	52.4	52.5	53.6	54.1	54.1	54.1	54.1	54.1	54.1
≥ 1800	6.5	46.7	49.4	50.5	52.4	53.3	54.2	55.2	55.3	56.5	56.9	56.9	56.9	56.9	56.9	56.9
≥ 1500	7.6	53.0	56.3	58.6	60.5	61.9	62.9	64.3	64.4	65.6	66.3	66.3	66.3	66.4	66.5	66.5
≥ 1200	7.6	55.3	59.9	62.4	64.6	66.1	67.9	69.9	70.0	71.6	72.3	72.3	72.3	72.6	72.7	72.7
≥ 1000	7.6	56.6	61.5	64.5	67.2	69.0	71.1	73.2	73.3	75.1	76.4	76.4	76.6	76.7	76.8	76.8
≥ 900	7.6	57.1	62.3	65.6	68.5	70.2	72.8	74.9	75.1	76.9	78.4	78.4	78.8	79.0	79.2	79.2
≥ 800	7.6	57.4	62.9	66.4	69.6	71.7	74.4	76.7	76.8	79.2	80.8	80.8	81.1	81.4	81.5	81.5
≥ 700	7.6	57.6	63.3	67.0	70.6	73.3	76.9	79.4	79.5	81.9	83.6	83.6	84.0	84.2	84.4	84.4
≥ 600	7.6	57.7	63.4	67.2	71.0	74.2	78.5	81.6	81.8	84.5	86.4	86.4	87.0	87.2	87.3	87.3
≥ 500	7.6	57.8	63.6	67.7	71.7	75.4	80.1	83.7	84.0	87.0	89.0	89.0	89.6	89.8	90.1	90.1
≥ 400	7.6	57.8	63.8	67.9	72.3	76.1	81.6	85.7	86.0	89.5	91.7	91.7	92.6	92.8	93.1	93.1
≥ 300	7.6	57.8	63.8	67.9	72.3	76.2	81.8	86.1	86.5	90.6	93.7	93.7	94.7	94.9	95.3	95.3
≥ 200	7.6	57.8	63.8	67.9	72.3	76.3	82.0	86.7	87.1	91.8	95.4	95.4	96.8	97.1	97.6	97.6
≥ 100	7.6	57.8	63.8	67.9	72.3	76.3	82.0	86.7	87.1	92.1	95.9	95.9	97.4	97.9	98.5	98.5
≥ 0	7.6	57.8	63.8	67.9	72.3	76.3	82.0	86.7	87.1	92.1	95.9	95.9	97.4	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 806

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	5.5	21.1	22.2	23.1	23.1	23.1	23.5	23.5	23.5	23.5	23.8	23.8	23.8	23.8	23.8	23.8
≥ 20000	6.4	26.8	27.9	28.7	29.0	29.0	29.3	29.3	29.3	29.3	29.7	29.7	29.7	29.7	29.7	29.7
≥ 18000	6.4	26.8	27.9	28.7	29.0	29.0	29.3	29.3	29.3	29.3	29.7	29.7	29.7	29.7	29.7	29.7
≥ 16000	6.4	26.8	27.9	28.7	29.0	29.0	29.3	29.3	29.3	29.3	29.7	29.7	29.7	29.7	29.7	29.7
≥ 14000	6.8	27.6	28.7	29.6	29.8	29.8	30.2	30.2	30.2	30.2	30.6	30.6	30.6	30.6	30.6	30.6
≥ 12000	7.1	28.6	29.7	30.6	30.8	30.8	31.2	31.2	31.2	31.2	31.5	31.5	31.5	31.5	31.5	31.5
≥ 10000	7.5	30.0	31.1	31.9	32.2	32.2	32.5	32.5	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9
≥ 9000	7.5	30.0	31.2	32.2	32.4	32.4	32.8	32.8	32.8	32.8	33.1	33.1	33.1	33.1	33.1	33.1
≥ 8000	7.7	31.1	32.2	33.1	33.4	33.4	33.7	33.7	33.7	33.7	34.1	34.1	34.1	34.1	34.1	34.1
≥ 7000	7.8	31.9	33.0	34.2	34.5	34.5	34.8	34.8	34.8	34.8	35.2	35.2	35.2	35.2	35.2	35.2
≥ 6000	7.8	32.6	33.7	35.1	35.3	35.3	35.7	35.7	35.7	35.7	36.1	36.1	36.1	36.1	36.1	36.1
≥ 5000	7.9	34.0	35.1	36.4	36.7	36.7	37.0	37.0	37.0	37.0	37.4	37.4	37.4	37.4	37.4	37.4
≥ 4500	7.9	34.2	35.5	36.9	37.4	37.4	37.8	37.8	37.8	37.8	38.1	38.1	38.1	38.1	38.1	38.1
≥ 4000	7.9	34.6	35.8	37.3	37.8	37.8	38.1	38.1	38.1	38.1	38.5	38.5	38.5	38.5	38.5	38.5
≥ 3500	8.3	36.7	37.9	39.5	40.1	40.5	41.0	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3
≥ 3000	8.9	39.4	40.6	42.2	43.2	43.5	44.0	44.0	44.0	44.1	44.5	44.9	44.9	44.9	44.9	44.9
≥ 2500	9.8	44.6	46.3	48.0	49.8	50.2	50.9	51.2	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1
≥ 2000	10.3	49.3	51.3	53.5	56.2	56.7	57.6	57.9	58.1	58.7	59.0	59.0	59.0	59.0	59.0	59.0
≥ 1800	10.4	51.1	53.1	55.5	58.3	58.9	59.9	60.3	60.4	61.0	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1500	11.0	55.4	58.2	60.5	63.9	65.0	66.6	67.5	67.6	68.5	68.9	68.9	68.9	68.9	68.9	68.9
≥ 1200	11.0	58.8	62.0	64.5	69.1	69.6	72.0	73.2	73.5	74.4	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1000	11.0	60.1	63.4	66.3	70.2	71.8	74.3	75.9	76.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 900	11.0	60.1	63.9	66.9	70.8	72.6	75.9	77.5	77.8	79.3	80.3	80.4	80.7	80.7	80.7	80.7
≥ 800	11.0	60.1	63.9	67.0	71.5	73.5	77.8	79.7	80.1	81.9	83.5	83.6	83.9	83.9	83.9	83.9
≥ 700	11.0	60.1	63.9	67.1	71.8	74.4	79.6	81.9	82.3	84.2	85.8	85.9	86.2	86.2	86.2	86.2
≥ 600	11.0	60.3	64.1	67.2	72.4	75.2	80.7	83.4	83.7	86.1	87.7	87.8	88.1	88.1	88.1	88.1
≥ 500	11.0	60.3	64.1	67.5	72.7	75.6	81.3	84.5	85.0	87.8	90.2	90.3	90.7	90.7	90.7	90.7
≥ 400	11.0	60.6	64.4	67.6	72.9	75.9	82.2	85.8	86.3	89.7	92.2	92.3	93.3	93.3	93.3	93.3
≥ 300	11.0	60.8	64.5	67.7	73.1	76.3	82.6	86.6	87.0	91.2	94.4	94.5	95.7	95.7	95.7	95.7
≥ 200	11.0	60.8	64.5	67.7	73.1	76.4	83.0	87.2	87.7	92.1	95.5	95.6	97.3	97.3	97.3	97.3
≥ 100	11.0	60.8	64.5	67.7	73.1	76.4	83.0	87.2	87.7	92.1	95.6	95.7	97.8	97.8	98.2	98.4
≥ 0	11.0	60.8	64.5	67.7	73.1	76.4	83.0	87.2	87.7	92.1	95.6	95.7	97.9	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1850-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	18.9	30.0	30.9	31.3	31.8	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	20.2	33.7	34.7	35.1	35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 18000	20.2	33.7	34.7	35.1	35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 16000	20.2	33.7	34.7	35.1	35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
IV 14000	20.8	35.1	36.1	36.4	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 12000	21.2	35.3	36.3	36.7	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 10000	21.3	36.2	37.1	37.5	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 9000	21.6	36.5	37.5	37.9	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 8000	21.8	37.6	38.6	39.0	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 7000	22.3	38.4	39.3	39.7	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 6000	22.8	39.8	40.8	41.2	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 5000	23.8	42.4	43.6	44.3	45.1	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 4500	24.4	43.5	44.8	45.6	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 4000	25.2	45.4	47.0	47.7	48.5	48.6	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 3500	26.1	47.0	48.7	49.7	50.4	50.5	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 3000	26.9	49.7	51.6	52.6	53.5	53.6	53.7	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 2500	27.6	53.2	55.4	56.6	57.6	57.7	58.0	58.7	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2000	28.6	56.9	60.3	62.2	63.5	63.7	64.7	65.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 1800	28.7	57.5	61.1	63.3	64.7	65.0	66.3	67.1	67.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 1500	30.2	61.3	65.8	68.5	69.8	70.4	71.6	72.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 1200	30.3	62.1	66.9	69.8	71.3	72.1	73.7	74.9	74.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
IV 1000	30.3	63.1	68.1	71.5	73.3	74.2	75.9	77.2	77.2	78.4	78.8	78.8	78.8	78.8	78.8	78.8
IV 900	30.3	63.5	68.5	72.1	73.9	74.8	76.6	78.3	78.3	79.8	80.3	80.3	80.4	80.4	80.4	80.4
IV 800	30.5	63.9	69.9	74.4	76.5	77.6	79.4	81.2	81.2	82.9	83.4	83.4	83.6	83.6	83.6	83.6
IV 700	30.5	64.8	70.9	75.9	78.4	79.8	82.1	84.0	84.0	85.7	86.5	86.5	86.6	86.6	86.6	86.6
IV 600	30.5	65.2	71.7	77.2	80.9	82.3	84.7	86.8	86.8	88.7	89.4	89.4	89.5	89.5	89.5	89.5
IV 500	30.5	65.3	72.0	78.0	82.5	84.0	86.8	89.5	89.5	91.5	92.6	92.6	92.7	92.7	92.8	92.8
IV 400	30.5	65.3	72.0	78.3	83.1	84.7	87.6	90.9	90.9	93.8	95.1	95.1	95.2	95.2	95.4	95.4
IV 300	30.5	65.3	72.0	78.4	83.2	84.9	87.9	91.4	91.4	94.6	96.1	96.1	96.5	96.5	96.6	96.6
IV 200	30.5	65.3	72.0	78.4	83.3	85.1	88.2	91.6	91.6	95.1	96.7	96.7	97.2	97.2	97.4	97.4
IV 100	30.5	65.3	72.0	78.4	83.3	85.1	88.2	91.6	91.6	95.2	97.0	97.0	97.7	97.8	98.2	98.2
IV 0	30.5	65.3	72.0	78.4	83.3	85.1	88.2	91.7	91.7	95.4	97.1	97.1	98.1	98.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING ≥ 20000	25.1	32.1	33.2	33.2	33.3	33.3	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	26.9	35.6	36.8	36.8	37.0	37.0	37.0	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 16000	27.1	35.7	37.0	37.0	37.1	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 14000	27.1	36.4	37.6	37.6	37.7	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	27.9	37.0	38.2	38.2	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 10000	29.4	39.0	40.3	40.4	40.5	40.5	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 9000	29.5	39.2	40.4	40.5	40.6	40.6	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 8000	29.9	39.4	41.1	41.2	41.4	41.4	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 7000	30.1	40.1	41.4	41.6	41.7	41.7	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 6000	31.1	42.0	43.2	43.5	43.6	43.6	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 5000	33.5	45.5	47.4	47.9	48.2	48.2	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4500	33.9	45.9	47.9	48.3	48.7	48.7	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 4000	34.6	48.1	50.4	51.0	51.5	51.5	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 3500	36.1	50.1	52.5	53.1	53.6	53.6	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3000	37.3	51.8	54.5	55.4	56.1	56.1	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 2500	38.4	54.5	57.2	58.5	59.1	59.4	59.5	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1
≥ 2000	40.1	58.8	61.9	63.8	64.9	65.6	65.9	66.3	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1800	40.8	60.2	63.4	65.4	66.5	67.2	67.4	67.9	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3
≥ 1500	42.2	63.4	66.8	69.3	70.5	71.2	72.2	72.8	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1200	42.5	64.5	68.1	70.5	71.8	72.6	74.1	74.9	74.9	75.3	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1000	42.6	65.5	69.4	72.6	74.3	75.0	76.9	77.8	77.8	78.5	78.7	78.7	78.7	78.7	78.7	78.7
≥ 900	42.6	65.5	69.4	72.7	74.5	75.3	77.2	78.2	78.2	79.1	79.3	79.3	79.3	79.3	79.3	79.3
≥ 800	42.7	66.2	70.5	74.5	76.9	77.6	80.0	81.3	81.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5
≥ 700	42.7	67.0	71.7	76.3	78.8	79.8	82.3	83.5	83.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7
≥ 600	42.7	67.1	72.1	77.5	81.0	82.5	85.1	86.4	86.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500	42.7	67.3	72.9	78.5	82.4	84.1	87.4	89.0	89.0	90.5	90.7	90.7	90.7	90.7	90.7	90.7
≥ 400	42.7	67.4	73.1	79.4	83.7	85.6	89.5	91.3	91.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0
≥ 300	42.7	67.4	73.1	79.4	83.8	85.7	89.7	92.2	92.2	94.0	94.4	94.4	94.4	94.4	94.4	94.4
≥ 200	42.7	67.4	73.1	79.4	84.0	85.8	90.0	92.5	92.5	95.0	95.3	95.3	96.1	96.1	96.1	96.2
≥ 100	42.7	67.4	73.1	79.4	84.1	85.9	90.1	92.8	92.8	95.3	96.2	96.2	97.2	97.2	97.9	98.2
≥ 0	42.7	67.4	73.1	79.4	84.2	86.0	90.2	92.9	92.9	96.1	97.1	97.1	98.0	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 817

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	13.7	25.2	26.1	26.8	27.3	27.4	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	14.8	28.9	30.0	30.7	31.3	31.4	31.6	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.9
IV 18000	14.8	28.9	30.0	30.7	31.3	31.5	31.6	31.7	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9
IV 16000	14.8	28.9	30.0	30.7	31.3	31.5	31.6	31.7	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9
IV 14000	15.1	29.5	30.5	31.2	31.8	32.0	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4
IV 12000	15.3	30.2	31.4	32.1	32.7	32.9	33.1	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3
IV 10000	16.0	31.6	33.0	33.8	34.4	34.6	34.8	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0
IV 9000	16.1	31.7	33.2	33.9	34.6	34.7	34.9	35.0	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2
IV 8000	16.3	32.7	34.2	35.0	35.7	35.9	36.1	36.2	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4
IV 7000	16.5	33.3	34.9	35.9	36.6	36.8	37.0	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3
IV 6000	17.0	34.5	36.1	37.1	37.9	38.1	38.3	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6
IV 5000	18.1	36.8	38.6	39.9	40.9	41.1	41.4	41.5	41.5	41.7	41.8	41.8	41.8	41.8	41.8	41.8
IV 4500	18.3	37.6	39.5	40.8	41.8	42.1	42.4	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.8
IV 4000	18.7	38.7	40.8	42.1	43.2	43.4	43.7	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.2
IV 3500	19.3	40.4	42.5	44.0	45.1	45.4	45.7	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.2
IV 3000	19.9	42.2	44.5	46.1	47.4	47.7	48.1	48.3	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.9
IV 2500	20.7	45.6	48.3	50.0	51.5	51.9	52.5	52.8	52.9	53.4	53.5	53.5	53.6	53.6	53.6	53.6
IV 2000	21.6	49.6	53.0	55.2	57.2	57.8	58.7	59.2	59.3	60.0	60.1	60.1	60.2	60.2	60.2	60.2
IV 1800	21.9	50.9	54.4	56.6	58.7	59.4	60.4	61.0	61.1	61.7	61.9	61.9	61.9	61.9	61.9	61.9
IV 1500	23.1	55.5	59.6	62.4	64.9	65.9	67.3	68.1	68.2	69.0	69.2	69.2	69.2	69.2	69.3	69.3
IV 1200	23.3	57.2	61.8	64.9	67.6	68.6	70.3	71.5	71.6	72.5	72.8	72.8	72.8	72.8	72.9	72.9
IV 1000	23.4	58.3	63.2	66.8	69.9	71.0	73.3	74.5	74.6	75.7	76.2	76.2	76.3	76.3	76.3	76.3
IV 900	23.5	58.6	63.6	67.4	70.6	71.8	74.3	75.6	75.8	77.1	77.7	77.7	77.9	77.9	77.9	78.0
IV 800	23.6	59.3	64.7	68.9	72.5	73.9	76.9	78.4	78.5	80.1	80.9	80.9	81.1	81.1	81.2	81.2
IV 700	23.6	59.8	65.4	69.8	73.7	75.4	78.7	80.4	80.6	82.3	83.1	83.1	83.4	83.4	83.4	83.4
IV 600	23.6	60.1	65.9	70.6	75.3	77.2	81.3	83.0	83.1	85.1	86.1	86.1	86.4	86.5	86.5	86.5
IV 500	23.6	60.4	66.4	71.3	76.4	78.5	82.7	85.2	85.4	87.6	88.9	88.9	89.3	89.3	89.4	89.4
IV 400	23.6	63.6	66.6	71.8	77.4	79.6	84.4	87.3	87.5	90.2	91.7	91.7	92.2	92.3	92.4	92.4
IV 300	23.6	60.6	66.6	71.9	77.6	79.9	84.9	88.1	88.3	91.5	93.4	93.4	94.0	94.1	94.2	94.2
IV 200	23.6	60.6	66.6	71.9	77.6	80.0	85.3	88.7	89.0	92.7	94.9	94.9	96.0	96.2	96.4	96.5
IV 100	23.6	60.6	66.6	71.9	77.7	80.0	85.3	88.9	89.1	92.9	95.3	95.3	96.8	97.0	97.8	98.2
IV 0	23.6	60.6	66.6	71.9	77.7	80.1	85.4	89.0	89.3	93.1	95.6	95.6	97.2	97.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6530

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-246

MANSFIELD LAHM MAP OH

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 4	≥ 0
NO CEILING	26.6	33.2	34.8	35.9	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	28.4	35.3	36.9	38.0	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	28.4	35.3	36.9	38.0	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	28.4	35.3	36.9	38.0	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000	29.2	36.1	37.8	38.8	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 12000	30.1	37.3	39.0	40.0	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000	33.1	41.0	42.7	43.8	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 9000	33.1	41.0	43.1	44.2	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 8000	33.9	42.2	44.3	45.4	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 7000	34.8	43.2	45.4	46.5	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	36.0	44.6	46.7	47.8	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 5000	39.0	50.3	52.6	53.7	54.5	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	39.1	50.4	52.7	53.8	54.6	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 4000	40.7	53.1	55.6	56.6	57.8	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 3500	42.2	55.2	58.1	59.2	60.4	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 3000	43.6	57.3	60.5	61.8	63.1	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 2500	44.7	60.0	63.9	65.7	67.6	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2000	45.1	63.1	67.6	70.1	72.4	73.0	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1800	45.2	63.7	68.3	70.8	73.1	73.6	74.8	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1500	46.1	66.0	70.5	73.2	76.0	76.7	78.0	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1200	46.1	67.2	72.7	75.6	78.4	79.1	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	46.7	69.1	74.8	78.0	81.3	82.1	83.5	83.7	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 900	46.7	69.1	75.1	78.4	81.7	82.5	83.9	84.1	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	46.7	70.0	75.9	79.3	82.6	83.5	85.1	85.3	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	46.7	70.3	76.2	79.7	83.0	83.9	85.8	85.9	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 600	46.7	71.0	77.2	81.0	84.5	85.4	87.3	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 500	46.7	71.1	77.4	81.7	85.7	86.7	88.9	89.7	89.7	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 400	46.7	71.2	77.8	82.9	86.9	88.0	90.4	91.4	91.4	92.6	92.8	92.8	92.8	92.8	92.9	92.9
≥ 300	46.7	71.2	77.8	82.9	87.4	88.6	91.4	92.5	92.5	94.1	94.2	94.2	94.2	94.2	94.4	94.4
≥ 200	46.7	71.2	77.8	82.9	87.4	88.6	91.4	92.9	92.9	95.0	95.3	95.3	95.4	95.4	95.9	95.9
≥ 100	46.7	71.2	77.8	82.9	87.4	88.6	91.7	93.0	93.0	95.6	96.0	96.0	96.5	96.5	97.5	98.0
≥ 0	46.7	71.2	77.8	82.9	87.4	88.6	91.7	93.0	93.0	95.6	96.0	96.0	96.5	96.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 747

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-46
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	22.7	33.3	31.5	32.7	32.8	32.8	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	23.9	32.1	33.3	34.5	34.7	34.7	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 18000	23.9	32.1	33.3	34.5	34.7	34.7	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 16000	23.9	32.1	33.3	34.5	34.7	34.7	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 14000	24.3	32.5	33.7	34.9	35.1	35.1	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 12000	25.1	34.1	35.3	36.5	36.7	36.7	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 10000	27.9	38.1	39.5	40.7	41.1	41.1	41.9	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	28.1	38.8	40.1	41.3	41.7	41.7	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	28.8	40.4	42.0	43.2	43.6	43.6	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 7000	29.6	41.2	42.8	44.0	44.4	44.4	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 6000	30.1	41.9	43.7	44.9	45.5	45.5	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 5000	33.9	46.8	49.1	50.3	51.1	51.2	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 4500	34.3	47.3	49.6	50.8	51.6	51.7	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4000	35.9	49.7	52.4	53.7	54.9	55.1	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 3500	37.2	52.5	55.9	57.3	58.7	58.8	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3000	38.0	53.7	57.1	58.7	60.3	60.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 2500	38.9	56.5	60.7	62.8	64.9	65.2	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 2000	39.6	58.6	63.3	65.6	68.1	68.7	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1800	39.7	59.3	64.0	66.4	68.9	69.5	70.5	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1500	39.9	63.3	68.7	71.7	74.3	74.9	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1200	40.1	64.8	70.3	73.3	75.9	76.5	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1000	40.3	65.9	72.0	75.6	78.9	79.6	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 900	40.8	66.7	72.9	76.7	80.5	81.2	82.8	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 800	41.1	68.0	74.8	79.1	83.1	83.7	85.6	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	41.1	68.0	74.8	79.1	83.1	83.7	86.0	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	41.3	69.2	76.4	80.7	84.8	85.7	88.1	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 500	41.3	69.5	76.8	81.3	85.9	86.8	90.3	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	41.3	69.5	76.8	81.9	86.8	87.7	91.5	92.4	92.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 300	41.3	69.5	76.8	81.9	86.8	87.7	91.6	92.7	92.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 200	41.3	69.5	76.8	81.9	86.8	87.7	91.7	92.9	92.9	94.5	94.8	94.8	95.6	95.6	96.3	96.4
≥ 100	41.3	69.5	76.8	81.9	86.8	87.7	91.7	92.9	92.9	94.7	95.3	95.3	96.7	96.7	97.5	98.4
≥ 0	41.3	69.5	76.8	81.9	86.8	87.7	91.7	92.9	92.9	94.8	95.5	95.5	96.8	96.8	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 750

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥1/8	≥0
NO CEILING	8.4	23.1	24.7	25.9	26.5	26.6	27.0	27.1	27.1	27.3	27.3	27.3	27.4	27.4	27.4	27.4
≥ 20000	9.4	25.9	27.5	28.7	29.3	29.4	29.8	29.9	29.9	30.1	30.1	30.1	30.3	30.3	30.3	30.3
≥ 18000	9.4	25.9	27.5	28.7	29.3	29.4	29.8	29.9	29.9	30.1	30.1	30.1	30.3	30.3	30.3	30.3
≥ 16000	9.4	25.9	27.5	28.7	29.3	29.4	29.8	29.9	29.9	30.1	30.1	30.1	30.3	30.3	30.3	30.3
≥ 14000	9.8	26.5	28.1	29.3	29.8	29.9	30.3	30.5	30.5	30.6	30.6	30.6	30.9	30.9	30.9	30.9
≥ 12000	10.6	28.1	29.7	30.9	31.5	31.6	32.0	32.2	32.2	32.3	32.3	32.3	32.6	32.6	32.6	32.6
≥ 10000	11.0	29.1	30.7	31.9	32.7	32.8	33.2	33.4	33.4	33.5	33.5	33.5	33.8	33.8	33.8	33.8
≥ 9000	11.7	30.2	31.8	33.0	33.8	33.9	34.3	34.4	34.4	34.6	34.6	34.6	34.8	34.8	34.8	34.8
≥ 8000	12.4	30.9	32.4	33.6	34.4	34.6	35.0	35.1	35.1	35.2	35.2	35.2	35.5	35.5	35.5	35.5
≥ 7000	12.5	32.0	33.6	34.8	35.6	35.8	36.2	36.3	36.3	36.4	36.4	36.4	36.7	36.7	36.7	36.7
≥ 6000	12.9	32.7	34.3	35.5	36.3	36.4	36.8	37.0	37.0	37.1	37.1	37.1	37.4	37.4	37.4	37.4
≥ 5000	13.4	34.3	36.0	37.2	38.0	38.2	38.6	38.8	38.8	39.0	39.0	39.0	39.2	39.2	39.2	39.2
≥ 4500	14.2	36.8	39.0	40.3	41.1	41.2	41.9	42.2	42.2	42.3	42.3	42.3	42.6	42.6	42.6	42.6
≥ 4000	14.2	36.8	39.0	40.3	41.1	41.2	41.9	42.2	42.2	42.3	42.3	42.3	42.6	42.6	42.6	42.6
≥ 3500	14.4	38.3	40.8	42.3	43.1	43.2	43.9	44.1	44.1	44.3	44.3	44.3	44.5	44.5	44.5	44.5
≥ 3000	15.8	41.5	44.0	45.7	46.7	46.9	47.6	47.9	47.9	48.0	48.0	48.0	48.3	48.3	48.3	48.3
≥ 2500	16.9	44.9	48.1	50.7	51.7	52.1	52.8	53.1	53.1	53.6	53.6	53.6	53.9	53.9	53.9	53.9
≥ 2000	17.8	48.5	52.7	55.7	56.9	57.4	58.6	58.9	58.9	59.6	59.6	59.6	59.8	59.8	59.8	59.8
≥ 1800	18.2	49.6	53.9	56.9	58.1	58.8	60.1	60.4	60.4	61.0	61.0	61.0	61.3	61.3	61.3	61.3
≥ 1500	18.9	52.5	57.4	61.4	62.9	64.0	65.6	66.2	66.2	67.2	67.2	67.2	67.4	67.4	67.4	67.4
≥ 1200	19.4	55.7	61.0	65.2	67.0	68.2	69.9	70.7	70.7	71.8	71.8	71.8	72.1	72.1	72.1	72.1
≥ 1000	19.5	57.7	64.1	68.4	70.3	71.8	73.5	74.3	74.5	75.7	75.7	75.7	75.9	75.9	75.9	75.9
≥ 900	20.1	59.0	65.7	69.9	72.2	73.7	75.4	76.5	76.6	77.8	77.8	77.8	78.2	78.2	78.2	78.2
≥ 800	20.2	60.4	67.4	72.3	75.0	76.6	78.5	79.8	79.9	81.3	81.5	81.5	81.9	81.9	81.9	81.9
≥ 700	20.3	61.4	68.8	73.9	76.6	78.3	80.2	81.8	81.9	83.2	83.5	83.5	83.9	83.9	83.9	83.9
≥ 600	20.5	62.5	69.9	75.8	79.0	81.3	83.5	85.2	85.4	86.8	87.1	87.1	87.5	87.5	87.5	87.5
≥ 500	20.5	62.8	70.5	76.9	80.1	82.8	85.6	88.3	88.4	90.2	90.6	90.6	91.0	91.0	91.0	91.0
≥ 400	20.5	62.8	70.5	77.3	80.6	83.9	87.1	89.9	90.0	91.8	92.2	92.2	92.6	92.6	92.6	92.6
≥ 300	20.5	62.8	70.6	77.5	80.9	84.2	87.5	90.6	90.7	92.4	92.8	92.8	93.4	93.5	93.6	93.6
≥ 200	20.5	62.8	70.6	77.5	80.9	84.2	88.0	91.2	91.4	93.6	94.3	94.3	94.9	95.1	95.9	96.3
≥ 100	20.5	62.8	70.6	77.5	80.9	84.2	88.0	91.2	91.4	93.6	94.4	94.4	95.2	95.6	96.8	97.7
≥ 0	20.5	62.8	70.6	77.5	80.9	84.2	88.0	91.2	91.4	93.6	94.4	94.4	95.3	95.7	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 MANSFIELD LAHM MAP OH

73-81

FER

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1950-1980
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥.	≥0
NO CEILING	4.9	26.8	28.4	29.5	30.0	30.4	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.4	31.4	31.4
≥ 20000	5.3	31.5	33.2	34.7	35.8	36.2	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.4	37.4	37.4
≥ 18000	5.3	31.5	33.2	34.7	35.8	36.2	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.4	37.4	37.4
≥ 16000	5.3	31.5	33.2	34.7	35.8	36.2	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.4	37.4	37.4
≥ 14000	5.6	32.0	33.9	35.2	36.3	36.7	37.5	37.7	37.7	37.8	37.8	37.8	37.9	37.9	37.9	37.9
≥ 12000	5.6	33.5	35.2	36.7	37.8	38.2	39.0	39.1	39.1	39.3	39.3	39.3	39.4	39.4	39.4	39.4
≥ 10000	5.6	34.3	36.3	37.9	39.0	39.5	40.3	40.5	40.5	40.6	40.6	40.6	40.7	40.7	40.7	40.7
≥ 9000	5.7	34.8	37.2	38.9	39.9	40.5	41.3	41.4	41.4	41.5	41.5	41.5	41.7	41.7	41.7	41.7
≥ 8000	6.4	36.0	38.5	40.1	41.1	41.7	42.5	42.6	42.6	42.7	42.7	42.7	42.9	42.9	42.9	42.9
≥ 7000	6.4	37.1	39.5	41.1	42.2	42.7	43.5	43.7	43.7	43.8	43.8	43.8	43.9	43.9	43.9	43.9
≥ 6000	6.4	37.4	39.8	41.4	42.5	43.0	43.8	43.9	43.9	44.1	44.1	44.1	44.2	44.2	44.2	44.2
≥ 5000	6.4	37.8	40.2	41.8	42.9	43.4	44.2	44.3	44.3	44.5	44.5	44.5	44.6	44.6	44.6	44.6
≥ 4500	6.5	39.5	42.1	43.7	44.7	45.8	46.7	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.1
≥ 4000	6.5	39.7	42.2	43.8	44.9	45.9	46.9	47.0	47.0	47.1	47.1	47.1	47.3	47.3	47.3	47.3
≥ 3500	6.5	40.7	43.3	45.0	46.1	47.1	48.1	48.2	48.2	48.5	48.5	48.5	48.6	48.6	48.6	48.6
≥ 3000	6.8	42.6	45.3	47.1	48.6	49.8	50.7	50.9	50.9	51.1	51.1	51.1	51.3	51.3	51.3	51.3
≥ 2500	7.2	45.3	48.1	50.2	51.9	53.3	54.6	55.0	55.0	55.3	55.3	55.3	55.4	55.4	55.4	55.4
≥ 2000	8.1	48.1	51.3	54.2	56.5	58.2	60.3	60.9	60.9	61.5	61.5	61.5	61.7	61.7	61.7	61.7
≥ 1800	8.1	49.0	52.3	55.3	57.7	59.4	61.5	62.1	62.1	62.8	62.8	62.8	62.9	62.9	62.9	62.9
≥ 1500	8.4	51.7	55.5	58.9	61.8	64.3	67.2	68.4	68.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6
≥ 1200	8.7	53.9	58.6	62.2	65.6	67.8	71.6	73.3	73.3	74.8	75.0	75.0	75.2	75.2	75.2	75.2
≥ 1000	8.7	55.3	60.3	64.1	67.7	70.1	74.5	76.9	76.9	78.6	79.2	79.2	79.4	79.4	79.4	79.4
≥ 900	8.7	56.1	61.1	65.2	69.2	71.6	76.2	79.0	79.0	80.8	81.6	81.6	81.8	81.8	81.8	81.8
≥ 800	8.7	56.3	61.7	65.8	70.0	72.6	77.7	81.0	81.0	83.3	84.4	84.4	84.6	84.6	84.6	84.6
≥ 700	8.7	56.8	62.2	66.5	70.9	73.7	79.2	82.8	82.8	85.3	86.4	86.4	86.8	86.8	86.8	86.8
≥ 600	8.7	57.0	62.9	67.4	72.5	75.6	81.6	85.7	86.0	88.8	90.1	90.1	90.5	90.5	90.5	90.5
≥ 500	8.7	57.3	63.2	67.8	73.2	76.9	83.4	87.6	87.9	90.9	92.5	92.5	93.2	93.2	93.2	93.2
≥ 400	8.7	57.3	63.2	67.8	73.3	77.2	84.1	88.7	88.9	92.1	94.0	94.0	94.8	94.8	94.8	94.8
≥ 300	8.7	57.3	63.2	67.8	73.3	77.3	84.4	89.1	89.3	92.7	94.9	94.9	95.7	95.9	95.9	95.9
≥ 200	8.7	57.3	63.2	67.8	73.3	77.3	84.4	89.1	89.3	92.7	95.2	95.2	96.5	96.9	97.3	97.5
≥ 100	8.7	57.3	63.2	67.8	73.3	77.3	84.4	89.1	89.3	92.8	95.3	95.3	96.8	97.6	98.4	99.1
≥ 0	8.7	57.3	63.2	67.8	73.3	77.3	84.4	89.1	89.3	92.8	95.3	95.3	96.9	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	9.4	30.4	30.8	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	10.3	35.3	35.9	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 18000	10.3	35.3	35.9	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 16000	10.3	35.3	35.9	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 14000	10.3	35.3	36.0	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 12000	10.6	36.3	36.8	37.6	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 10000	10.6	37.8	38.4	39.4	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 9000	10.6	37.9	38.6	39.5	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 8000	10.6	38.4	39.1	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 7000	10.6	39.4	40.1	41.1	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 6000	10.6	39.4	40.1	41.1	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 5000	11.2	40.3	41.0	42.1	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500	11.2	40.9	42.1	43.3	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 4000	11.2	41.0	42.2	43.4	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 3500	11.3	42.2	43.4	44.6	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 3000	11.4	44.6	45.8	47.3	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 2500	12.1	47.4	48.7	50.1	50.8	51.3	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 2000	14.0	55.6	57.3	59.0	60.2	61.2	61.8	62.1	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5
≥ 1800	14.0	57.9	59.8	61.7	62.9	64.0	64.8	65.1	65.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1500	14.2	61.4	64.4	66.8	69.0	70.4	71.9	72.3	72.3	73.3	73.8	73.8	73.9	73.9	73.9	73.9
≥ 1200	14.5	65.1	69.0	72.3	75.3	77.2	78.9	79.7	79.7	81.6	82.4	82.4	82.7	82.7	82.7	82.7
≥ 1000	14.5	65.6	69.8	73.7	76.7	78.8	80.6	81.5	81.5	83.3	84.3	84.3	84.5	84.5	84.5	84.5
≥ 900	14.7	66.4	70.8	74.7	77.8	79.8	81.9	82.7	82.7	84.7	85.6	85.6	85.9	85.9	85.9	85.9
≥ 800	14.7	67.3	71.9	76.2	79.7	82.0	84.4	85.3	85.3	87.5	88.4	88.4	88.8	88.8	88.8	88.8
≥ 700	14.7	68.0	72.8	77.6	81.3	83.6	86.4	87.6	87.8	90.1	91.0	91.0	91.4	91.4	91.4	91.4
≥ 600	14.7	68.0	73.0	78.0	81.9	84.5	87.8	89.2	89.7	92.2	93.1	93.1	93.7	93.8	93.8	93.8
≥ 500	14.7	68.1	73.1	78.1	82.0	84.7	88.6	90.1	90.5	93.5	94.8	94.8	95.3	95.4	95.4	95.4
≥ 400	14.7	68.3	73.3	78.2	82.1	84.9	88.8	90.5	90.9	94.1	95.4	95.4	96.2	96.4	96.4	96.4
≥ 300	14.7	68.3	73.3	78.2	82.1	85.1	89.2	91.0	91.4	95.0	96.8	96.8	97.6	97.8	97.8	97.8
≥ 200	14.7	68.3	73.3	78.2	82.1	85.1	89.2	91.4	91.8	95.8	97.8	97.8	98.8	99.1	99.2	99.2
≥ 100	14.7	68.3	73.3	78.2	82.1	85.1	89.2	91.4	91.8	95.8	97.8	97.8	99.2	99.5	99.6	99.7
≥ 0	14.7	68.3	73.3	78.2	82.1	85.1	89.2	91.4	91.8	95.8	97.8	97.8	99.2	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ .	≥ 0
NO CEILING	11.2	30.2	30.5	30.7	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000	13.1	36.9	37.2	37.4	37.6	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 18000	13.1	36.9	37.2	37.4	37.6	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 16000	13.0	36.9	37.2	37.4	37.6	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	13.0	37.2	37.4	37.7	37.8	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	13.2	38.8	39.0	39.3	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 10000	13.2	39.4	39.7	40.0	40.1	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 9000	13.8	40.2	40.5	40.8	40.9	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 8000	13.9	41.2	41.4	41.7	41.8	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 7000	13.9	41.7	42.0	42.2	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 6000	13.9	42.4	42.6	42.9	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 5000	14.0	42.8	43.0	43.3	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 4500	14.0	44.3	44.7	44.9	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 4000	14.0	44.4	44.8	45.1	45.2	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3500	14.3	45.5	46.8	47.1	47.3	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 3000	14.3	47.5	48.8	49.2	49.5	49.6	49.7	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 2500	15.0	51.9	53.2	53.7	54.0	54.1	54.8	54.9	54.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 2000	16.0	57.5	59.0	59.8	60.3	60.7	61.8	62.6	62.6	63.4	63.4	63.4	63.5	63.5	63.5	63.5
IV 1800	16.0	59.0	60.4	61.5	62.0	62.4	64.0	65.0	65.0	65.8	65.9	65.9	66.0	66.0	66.0	66.0
IV 1500	16.2	63.8	66.3	67.9	69.1	69.7	72.1	73.9	73.9	75.3	75.5	75.5	75.9	75.9	75.9	75.9
IV 1200	16.6	66.3	69.4	71.5	73.4	74.7	77.3	79.4	79.4	80.7	81.0	81.0	81.8	81.8	81.8	81.8
IV 1000	16.6	67.4	70.6	72.9	74.7	76.1	79.1	81.6	81.6	83.3	83.6	83.6	84.4	84.4	84.4	84.4
IV 900	16.6	67.8	71.0	73.4	75.3	76.6	79.7	82.1	82.1	83.8	84.1	84.1	84.9	84.9	84.9	84.9
IV 800	16.6	67.9	71.3	74.5	76.6	77.9	81.0	83.4	83.4	85.6	85.8	85.8	87.0	87.0	87.0	87.0
IV 700	16.6	68.2	71.5	74.9	77.0	78.6	81.7	84.4	84.4	87.0	87.6	87.6	89.0	89.0	89.2	89.2
IV 600	16.6	68.3	71.9	75.5	77.7	79.5	83.0	86.4	86.6	89.3	90.2	90.2	92.0	92.1	92.2	92.2
IV 500	16.6	68.6	72.3	75.9	78.2	80.1	84.0	87.3	87.6	90.8	92.2	92.2	94.5	94.8	94.9	94.9
IV 400	16.6	68.6	72.3	76.1	78.3	80.3	84.2	87.7	88.0	91.3	92.8	92.8	95.3	95.7	95.9	95.9
IV 300	16.6	68.6	72.3	76.2	78.6	80.6	85.0	88.8	89.0	92.8	94.4	94.4	97.3	97.7	97.9	97.9
IV 200	16.6	68.6	72.3	76.2	78.6	80.6	85.0	89.0	89.3	93.6	95.6	95.6	99.1	99.5	99.6	99.6
IV 100	16.6	68.6	72.3	76.2	78.6	80.6	85.0	89.0	89.3	93.6	95.7	95.7	99.3	99.7	99.9	99.9
IV 0	16.6	68.6	72.3	76.2	78.6	80.6	85.0	89.0	89.3	93.6	95.7	95.7	99.3	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 748

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	22.2	34.4	35.4	35.6	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	24.7	40.2	41.1	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	24.7	40.2	41.1	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	24.7	40.2	41.1	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	25.0	40.5	41.4	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 12000	25.5	42.3	43.3	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 10000	26.2	43.4	44.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 9000	26.4	43.9	44.9	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 8000	26.6	44.6	45.5	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 7000	27.1	45.7	46.6	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	27.4	46.9	47.8	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 5000	28.2	50.1	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4500	28.8	51.1	52.3	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4000	29.8	53.1	54.7	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	30.4	55.0	57.5	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3000	31.2	57.8	60.7	62.1	62.8	62.9	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 2500	31.9	59.8	63.0	64.6	65.3	65.4	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2000	32.8	63.2	66.8	68.8	69.8	70.1	70.5	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 1800	32.8	64.1	67.7	69.8	71.0	71.3	71.7	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1500	33.2	67.0	71.7	74.4	76.0	76.6	77.3	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	33.6	68.9	73.8	76.5	78.2	79.0	79.7	80.2	80.2	80.5	80.5	80.5	80.6	80.6	80.6	80.6
≥ 1000	33.9	69.7	75.4	78.4	80.5	81.6	82.8	83.6	83.6	83.8	83.8	83.8	84.1	84.1	84.1	84.1
≥ 900	33.9	69.8	75.6	78.8	81.2	82.2	83.4	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.0	85.0
≥ 800	33.9	70.0	76.0	80.0	82.5	83.6	85.2	86.1	86.1	86.5	86.5	86.5	86.8	86.8	86.8	86.8
≥ 700	33.9	70.0	76.0	80.0	82.8	83.8	85.4	86.5	86.5	87.2	87.3	87.3	87.6	87.6	87.6	87.6
≥ 600	33.9	70.1	76.1	80.1	83.2	84.4	86.2	87.6	87.6	88.7	89.1	89.1	89.5	89.5	89.5	89.6
≥ 500	33.9	70.4	76.5	80.6	83.8	85.3	87.3	89.3	89.3	90.9	91.7	91.7	92.3	92.3	92.4	92.5
≥ 400	33.9	70.4	76.5	80.6	83.8	85.3	87.6	90.0	90.0	92.1	93.3	93.3	94.0	94.0	94.1	94.3
≥ 300	33.9	70.4	76.6	80.8	84.1	85.6	88.0	90.5	90.5	93.1	94.4	94.4	95.2	95.2	95.3	95.5
≥ 200	33.9	70.4	76.6	80.8	84.1	85.6	88.0	90.7	90.7	93.5	95.1	95.1	96.7	97.1	97.7	97.9
≥ 100	33.9	70.4	76.6	80.8	84.1	85.6	88.0	90.7	90.7	93.5	95.1	95.1	97.7	98.4	99.2	99.6
≥ 0	33.9	70.4	76.6	80.8	84.1	85.6	88.0	90.7	90.7	93.5	95.1	95.1	97.9	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 749

USAF ETAC FORM 7-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.1	36.5	38.0	36.7	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 20000	31.7	38.4	39.9	40.5	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000	31.7	38.4	39.9	40.5	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000	31.7	38.4	39.9	40.5	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000	32.8	39.6	41.1	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 12000	33.3	40.5	42.0	42.7	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 10000	35.6	44.0	45.5	46.1	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 9000	35.6	44.3	45.9	46.5	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 8000	35.9	44.7	46.3	46.9	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 7000	36.5	45.5	47.1	47.7	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 6000	37.3	46.8	48.4	49.1	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 5000	39.2	51.9	53.9	54.5	55.1	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	39.7	52.7	54.7	55.3	55.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4000	40.8	54.5	56.7	57.3	57.9	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 3500	41.9	56.8	59.7	60.7	61.2	61.2	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3000	43.3	59.7	62.9	63.9	64.4	64.4	65.1	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 2500	44.1	61.6	66.0	66.9	67.5	67.5	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2000	45.7	64.8	70.1	71.5	72.3	72.3	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	45.7	65.3	70.8	72.4	73.2	73.2	74.3	74.4	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1500	46.1	67.9	74.1	76.1	77.1	77.3	78.4	78.5	78.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1200	46.7	69.7	76.4	78.4	79.5	79.9	81.3	81.6	81.6	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1000	46.9	70.5	77.6	79.9	81.2	81.6	83.2	83.6	83.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	46.9	70.8	77.9	80.1	81.6	82.1	83.7	84.1	84.1	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	47.1	71.6	78.8	81.6	83.1	83.6	85.5	85.9	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 700	47.1	72.0	79.2	82.1	83.6	84.1	86.0	86.5	86.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
≥ 600	47.1	72.0	79.5	82.4	84.0	84.7	86.5	87.2	87.2	88.1	88.3	88.3	88.3	88.3	88.3	88.3
≥ 500	47.1	72.3	79.7	82.8	84.7	85.3	87.9	88.7	88.7	89.9	90.4	90.4	90.4	90.4	90.4	90.4
≥ 400	47.1	72.4	79.9	83.1	85.1	85.9	89.1	90.4	90.4	91.7	92.3	92.3	92.4	92.4	92.4	92.4
≥ 300	47.1	72.4	79.9	83.1	85.3	86.3	90.1	91.5	91.6	93.5	94.0	94.0	94.1	94.1	94.1	94.1
≥ 200	47.1	72.4	79.9	83.1	85.3	86.3	90.3	91.9	92.0	94.1	95.1	95.1	95.9	96.0	96.4	96.4
≥ 100	47.1	72.4	79.9	83.1	85.3	86.3	90.3	92.0	92.1	94.8	96.0	96.0	97.1	97.2	97.9	99.1
≥ 0	47.1	72.4	79.9	83.2	85.5	86.4	90.4	92.1	92.3	94.9	96.1	96.1	97.2	97.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 750

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	16.9	30.6	31.8	32.6	33.0	33.1	33.3	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 20000	18.4	34.5	35.6	36.5	37.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.5
≥ 18000	18.4	34.5	35.6	36.5	37.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.5
≥ 16000	18.4	34.5	35.6	36.5	37.0	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.5
≥ 14000	18.8	35.7	36.1	37.0	37.5	37.6	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 12000	19.3	36.4	37.5	38.4	38.9	39.0	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 10000	20.4	38.4	39.6	40.6	41.1	41.2	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 9000	20.6	38.9	40.3	41.2	41.7	41.8	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	21.1	39.8	41.2	42.1	42.6	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2	43.2
≥ 7000	21.4	40.7	42.1	43.1	43.6	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2
≥ 6000	21.8	41.5	42.9	43.9	44.4	44.6	44.8	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0
≥ 5000	23.2	44.3	45.9	46.9	47.5	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2
≥ 4500	23.5	45.4	47.1	48.2	48.8	49.0	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 4000	24.1	46.6	48.4	49.5	50.2	50.5	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1
≥ 3500	24.8	48.3	50.7	51.9	52.7	52.9	53.4	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.6
≥ 3000	25.6	50.6	53.1	54.5	55.4	55.8	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 2500	26.4	53.4	56.9	58.1	59.2	59.6	60.3	60.4	60.4	60.7	60.7	60.7	60.8	60.8	60.8	60.8
≥ 2000	27.4	57.4	61.0	63.1	64.6	65.2	66.3	66.6	66.6	67.0	67.0	67.0	67.1	67.1	67.1	67.1
≥ 1800	27.5	58.5	62.1	64.4	65.9	66.5	67.7	68.0	68.0	68.5	68.5	68.5	68.6	68.6	68.6	68.6
≥ 1500	27.9	61.7	66.1	68.8	70.8	71.7	73.3	74.0	74.0	74.7	74.8	74.8	74.9	74.9	74.9	74.9
≥ 1200	28.2	64.0	68.9	71.9	74.2	75.3	77.1	77.9	77.9	78.9	79.0	79.0	79.2	79.2	79.2	79.2
≥ 1000	28.4	65.1	70.6	73.9	76.4	77.7	79.8	80.8	80.8	81.9	82.1	82.1	82.3	82.3	82.3	82.3
≥ 900	28.6	65.7	71.3	74.7	77.4	78.7	80.9	82.0	82.0	83.1	83.3	83.3	83.6	83.6	83.6	83.6
≥ 800	28.6	66.4	72.2	76.1	79.1	80.4	82.9	84.1	84.1	85.4	85.7	85.7	86.1	86.1	86.1	86.1
≥ 700	28.6	66.8	72.7	76.7	79.8	81.2	83.8	85.3	85.3	86.7	87.1	87.1	87.5	87.5	87.5	87.5
≥ 600	28.7	67.3	73.4	77.4	80.9	82.6	85.5	87.2	87.3	88.9	89.4	89.4	89.8	89.9	89.9	89.9
≥ 500	28.7	67.5	73.7	78.2	81.7	83.6	87.0	89.0	89.1	91.0	91.8	91.8	92.3	92.4	92.4	92.4
≥ 400	28.7	67.5	73.8	78.5	82.1	84.2	87.8	90.1	90.2	92.4	93.3	93.3	93.9	94.0	94.1	94.1
≥ 300	28.7	67.5	73.8	78.5	82.3	84.4	88.4	90.8	91.0	93.4	94.4	94.4	95.2	95.3	95.4	95.4
≥ 200	28.7	67.5	73.8	78.5	82.3	84.4	88.5	91.1	91.3	94.1	95.4	95.4	96.6	96.8	97.3	97.4
≥ 100	28.7	67.5	73.8	78.5	82.3	84.4	88.5	91.2	91.3	94.3	95.7	95.7	97.3	97.6	98.3	98.9
≥ 0	28.7	67.5	73.8	78.6	82.3	84.4	88.6	91.2	91.3	94.3	95.7	95.7	97.4	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5989

USAF ETAC FORM 44-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1993

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 5246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥	≥0
NO CEILING	34.4	39.4	40.2	40.6	40.7	40.7	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	35.9	41.1	41.9	42.3	42.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 18000	35.9	41.1	41.9	42.3	42.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 16000	35.9	41.1	41.9	42.3	42.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 14000	36.5	41.7	42.5	42.9	43.0	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 12000	36.8	42.2	43.0	43.4	43.5	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 10000	40.2	46.7	47.5	47.9	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 9000	40.2	46.8	47.6	48.0	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 8000	40.7	47.6	48.5	48.8	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 7000	42.3	49.3	50.5	51.0	51.3	51.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 6000	43.2	51.3	52.5	53.0	53.2	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 5000	46.9	56.5	58.2	58.8	59.2	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 4500	47.2	57.1	58.8	59.5	59.9	59.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 4000	49.0	60.1	62.1	62.8	63.3	63.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3500	50.4	62.8	64.7	65.7	66.2	66.2	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3000	51.2	64.6	66.7	67.6	68.1	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 2500	52.8	68.0	70.2	71.2	71.8	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 2000	55.0	72.2	75.4	76.7	77.6	77.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 1800	55.4	72.6	75.8	77.1	77.9	78.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 1500	57.0	76.4	79.9	81.6	82.5	82.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1200	57.2	76.7	80.4	82.2	83.3	83.5	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1000	57.9	78.1	82.1	84.0	85.6	85.8	87.3	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 900	58.3	78.5	82.8	84.7	86.3	86.5	88.0	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 800	58.3	79.4	84.0	86.5	88.1	88.4	89.9	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 700	58.3	79.8	84.7	87.5	89.3	89.6	91.3	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 600	58.3	79.9	84.8	87.8	89.8	90.1	91.9	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 500	58.3	79.9	85.1	88.1	90.4	90.9	93.0	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 400	58.3	80.4	85.7	89.0	91.5	92.1	94.5	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 300	58.3	80.4	85.8	89.3	91.9	92.6	95.4	95.9	95.9	96.4	96.4	96.4	96.6	96.6	96.6	96.6
IV 200	58.3	80.4	85.8	89.3	91.9	92.6	95.8	96.4	96.4	97.3	97.6	97.6	98.3	98.3	98.3	98.3
IV 100	58.3	80.4	85.8	89.3	91.9	92.6	95.8	96.4	96.4	97.3	97.7	97.7	98.8	98.8	99.2	99.3
IV 0	58.3	80.4	85.8	89.3	91.9	92.6	95.8	96.4	96.4	97.3	97.7	97.7	98.8	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	30.5	35.4	35.7	36.0	36.5	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	32.3	37.7	38.0	38.3	38.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 18000	32.3	37.7	38.0	38.3	38.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 16000	32.3	37.7	38.0	38.3	38.8	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 14000	33.3	38.7	39.0	39.3	39.8	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 12000	33.4	38.8	39.1	39.4	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 10000	35.5	41.7	42.1	42.3	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000	35.6	41.8	42.2	42.4	42.9	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000	36.5	43.2	43.5	43.8	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 7000	37.1	44.3	44.6	45.1	45.6	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 6000	37.9	45.6	46.3	47.0	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 5000	41.1	51.1	51.8	52.4	53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 4500	41.5	51.6	52.3	52.9	53.7	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 4000	43.0	54.1	55.4	56.0	57.0	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3500	44.5	57.4	58.7	59.4	60.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 3000	45.9	59.5	61.1	62.0	62.9	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 2500	46.8	61.8	64.0	65.0	66.1	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2000	49.5	66.5	68.9	70.1	71.5	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1800	50.1	67.7	70.1	71.3	72.7	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 1500	51.5	71.1	74.4	75.6	77.3	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1200	52.1	73.2	76.6	77.8	79.5	79.6	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1000	52.7	75.0	79.1	80.7	82.9	83.0	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 900	52.9	75.6	80.1	82.0	84.2	84.3	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	53.0	76.5	81.2	83.5	86.0	86.1	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	53.2	76.8	81.7	84.3	87.0	87.1	87.9	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 600	53.4	77.4	82.9	85.9	88.9	89.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 500	53.4	77.9	83.8	87.0	90.2	90.6	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 400	53.4	77.9	83.9	87.6	91.1	91.5	93.7	94.1	94.1	94.6	94.9	94.9	94.9	94.9	94.9	94.9
≥ 300	53.4	77.9	83.9	87.7	91.3	91.7	94.1	94.9	94.9	95.7	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	53.4	77.9	83.9	87.8	91.6	92.1	94.6	95.4	95.4	96.8	97.4	97.4	97.7	97.7	97.7	97.7
≥ 100	53.4	77.9	83.9	87.8	91.6	92.1	94.6	95.4	95.4	96.8	97.6	97.6	97.9	97.9	98.5	98.7
≥ 0	53.4	77.9	83.9	87.8	91.6	92.1	94.6	95.4	95.4	96.8	97.6	97.6	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 820

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	8.9	28.3	29.8	30.4	31.4	31.4	31.8	32.0	32.0	32.4	32.4	32.4	32.5	32.5	32.7	32.7
≥ 20000	9.9	31.9	33.6	34.5	35.6	35.6	36.0	36.4	36.4	36.7	36.7	36.7	36.9	36.9	37.1	37.1
≥ 18000	9.9	31.9	33.6	34.5	35.6	35.6	36.0	36.4	36.4	36.7	36.7	36.7	36.9	36.9	37.1	37.1
≥ 16000	9.9	31.9	33.6	34.5	35.6	35.6	36.0	36.4	36.4	36.7	36.7	36.7	36.9	36.9	37.1	37.1
≥ 14000	10.1	32.5	34.3	35.4	36.5	36.5	36.9	37.2	37.2	37.6	37.6	37.6	37.7	37.7	38.0	38.0
≥ 12000	10.2	32.8	34.7	35.8	36.9	36.9	37.2	37.6	37.6	38.0	38.0	38.0	38.1	38.1	38.3	38.3
≥ 10000	10.5	34.7	36.9	38.0	39.1	39.1	39.4	39.8	39.8	40.1	40.1	40.1	40.3	40.3	40.5	40.5
≥ 9000	10.6	35.3	37.6	38.9	40.0	40.0	40.4	40.8	40.8	41.1	41.1	41.1	41.2	41.2	41.5	41.5
≥ 8000	10.7	36.5	38.8	40.1	41.4	41.4	41.8	42.2	42.2	42.6	42.6	42.6	42.7	42.7	42.9	42.9
≥ 7000	11.2	38.2	40.6	42.0	43.2	43.2	43.7	44.0	44.0	44.5	44.5	44.5	44.6	44.6	44.9	44.9
≥ 6000	11.3	38.8	41.4	42.8	44.3	44.3	44.8	45.1	45.1	45.6	45.6	45.6	45.7	45.7	46.0	46.0
≥ 5000	11.3	40.4	43.1	44.6	46.1	46.1	46.7	47.2	47.2	47.7	47.7	47.7	47.8	47.8	48.1	48.1
≥ 4500	11.6	42.8	45.7	47.6	49.0	49.0	49.6	50.1	50.1	50.6	50.6	50.6	50.7	50.7	51.0	51.0
≥ 4000	11.6	42.9	45.9	47.7	49.1	49.1	49.8	50.2	50.2	50.7	50.7	50.7	50.9	50.9	51.1	51.1
≥ 3500	12.0	45.5	48.8	50.7	52.2	52.2	53.2	53.6	53.6	54.1	54.1	54.1	54.3	54.3	54.5	54.5
≥ 3000	12.5	49.3	52.7	54.9	56.4	56.4	57.4	57.9	57.9	58.4	58.4	58.4	58.5	58.5	58.8	58.8
≥ 2500	13.5	53.4	57.4	60.0	62.0	62.0	63.4	64.0	64.0	64.6	64.6	64.6	64.7	64.7	65.0	65.0
≥ 2000	14.5	56.2	60.3	63.1	65.7	66.3	67.6	68.2	68.2	68.9	68.9	68.9	69.0	69.0	69.2	69.2
≥ 1800	14.8	56.9	61.1	63.9	66.4	67.0	68.6	69.3	69.3	70.0	70.0	70.0	70.1	70.1	70.3	70.3
≥ 1500	15.3	60.6	65.6	68.7	71.4	72.1	74.1	74.8	74.8	75.4	75.4	75.4	75.5	75.5	75.8	75.8
≥ 1200	16.3	64.0	69.8	73.1	75.8	76.6	78.7	79.6	79.6	80.3	80.3	80.3	80.4	80.4	80.7	80.7
≥ 1000	17.3	66.8	73.0	76.3	79.2	80.0	82.2	83.1	83.1	84.1	84.2	84.2	84.3	84.3	84.5	84.5
≥ 900	17.3	67.2	73.5	76.9	80.0	80.9	83.1	83.9	83.9	84.9	85.0	85.0	85.2	85.2	85.4	85.4
≥ 800	17.3	67.4	74.0	77.5	80.9	82.0	84.5	85.4	85.4	86.4	86.5	86.5	86.6	86.6	86.9	86.9
≥ 700	17.3	67.5	74.2	78.1	81.9	83.0	85.5	86.4	86.4	87.3	87.5	87.5	87.6	87.6	87.8	87.8
≥ 600	17.3	67.8	74.8	78.8	82.8	84.2	86.9	88.1	88.1	89.3	89.5	89.5	89.7	89.7	89.9	89.9
≥ 500	17.3	67.9	75.1	79.1	83.5	85.0	88.1	89.5	89.5	91.0	91.2	91.2	91.4	91.4	91.6	91.6
≥ 400	17.3	67.9	75.1	79.1	83.7	85.5	89.1	90.6	90.6	92.7	93.6	93.6	93.7	93.7	93.9	93.9
≥ 300	17.3	67.9	75.2	79.1	84.1	85.9	89.7	91.6	91.6	94.2	95.1	95.1	95.3	95.3	95.5	95.5
≥ 200	17.3	67.9	75.2	79.4	84.3	86.1	89.9	92.0	92.2	95.0	96.6	96.6	97.0	97.2	97.4	97.4
≥ 100	17.3	67.9	75.2	79.6	84.3	86.1	89.9	92.0	92.2	95.0	96.8	96.8	97.6	98.1	98.5	98.7
≥ 0	17.3	67.9	75.2	79.6	84.3	86.1	89.9	92.0	92.2	95.0	96.8	96.8	97.6	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	7.7	29.6	30.6	31.1	31.6	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	32.0	32.0	32.0
≥ 20000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 18000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 16000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 14000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 12000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 10000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 9000	8.6	36.3	37.8	38.6	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6
≥ 8000	9.2	40.4	42.9	43.7	44.6	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.2
≥ 7000	9.8	41.9	44.4	45.3	46.1	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.9	46.9	46.9
≥ 6000	9.8	42.7	45.3	46.4	47.2	47.3	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9
≥ 5000	9.8	43.6	46.5	47.7	48.5	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3
≥ 4500	9.8	45.3	47.9	49.2	50.4	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2
≥ 4000	9.8	45.3	47.9	49.2	50.4	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2
≥ 3500	9.9	46.9	49.9	51.1	52.4	52.5	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4
≥ 3000	10.2	48.4	51.6	52.8	54.2	54.4	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2
≥ 2500	10.9	52.3	55.6	56.8	58.8	59.1	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2
≥ 2000	12.2	56.9	60.5	62.3	64.9	65.3	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6
≥ 1800	12.3	58.1	61.7	63.7	66.2	66.6	67.6	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0
≥ 1500	12.6	62.8	66.6	69.0	72.2	72.6	74.0	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8
≥ 1200	12.6	65.7	69.9	72.6	76.3	77.0	78.8	80.0	80.0	80.4	80.4	80.4	80.4	80.5	80.5	80.5
≥ 1000	12.7	67.9	72.8	75.8	79.8	80.8	82.8	84.3	84.3	84.7	84.7	84.7	84.7	84.9	84.9	84.9
≥ 900	12.7	68.5	73.5	76.5	80.6	82.0	84.1	85.7	85.7	86.2	86.2	86.2	86.2	86.3	86.3	86.3
≥ 800	12.7	68.6	74.7	77.1	81.4	82.9	85.2	86.9	86.9	87.5	87.5	87.5	87.5	87.7	87.7	87.7
≥ 700	12.7	69.0	74.9	77.7	82.0	83.7	86.1	87.8	87.8	88.6	88.7	88.7	88.7	88.9	88.9	88.9
≥ 600	12.7	69.1	74.6	78.1	82.8	84.7	87.3	89.2	89.2	90.7	91.0	91.0	91.0	91.2	91.2	91.2
≥ 500	12.7	69.1	74.7	78.6	83.3	85.2	88.1	90.2	90.2	92.3	92.7	92.7	92.7	93.0	93.0	93.0
≥ 400	12.7	69.2	74.7	78.6	83.4	85.5	88.5	91.0	91.2	93.7	94.6	94.6	94.6	94.9	94.9	94.9
≥ 300	12.7	69.1	74.7	78.6	83.4	85.5	88.5	91.3	91.5	94.2	95.2	95.2	95.2	95.5	95.5	95.6
≥ 200	12.7	69.1	74.7	78.6	83.4	85.5	88.5	91.6	92.0	94.9	96.6	96.6	96.6	97.5	97.6	97.8
≥ 100	12.7	69.1	74.7	78.6	83.4	85.5	88.5	91.6	92.0	94.9	96.6	96.6	96.6	97.8	98.2	99.4
≥ 0	12.7	69.1	74.7	78.6	83.4	85.5	88.5	91.6	92.0	94.9	96.6	96.6	96.6	97.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

705246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	13.0	29.9	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 20000	14.0	35.9	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 18000	14.0	35.9	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 16000	14.0	35.9	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 14000	14.0	35.9	36.7	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 12000	14.2	36.4	37.2	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 10000	14.2	37.5	38.3	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 9000	14.6	38.1	39.2	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 8000	14.8	39.5	40.6	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 7000	15.0	40.8	42.0	42.2	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 6000	15.1	41.1	42.3	42.8	42.8	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 5000	15.1	42.0	43.3	43.8	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 4500	15.2	45.0	46.6	47.2	47.4	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4000	15.2	45.3	46.8	47.4	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 3500	15.2	47.2	49.1	49.8	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3000	15.7	50.9	52.9	53.5	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 2500	17.2	56.8	59.1	59.9	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 2000	18.6	64.1	66.8	68.6	69.3	69.6	70.2	70.2	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1800	18.9	65.8	69.0	70.9	71.7	71.9	72.5	72.5	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0
≥ 1500	19.0	70.4	74.5	76.9	77.9	78.2	79.1	79.4	79.4	79.8	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1200	19.0	73.0	77.4	81.0	82.2	82.8	83.8	84.5	84.5	84.9	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000	19.0	74.0	78.8	83.1	84.3	84.9	86.0	86.9	86.9	87.3	87.8	87.8	87.8	87.8	87.8	87.8
≥ 900	19.0	74.1	79.0	83.5	84.7	85.4	86.7	87.6	87.6	88.1	88.6	88.6	88.6	88.6	88.6	88.6
≥ 800	19.0	74.5	79.3	83.9	85.2	86.3	87.6	88.6	88.6	89.3	89.8	89.8	89.9	89.9	89.9	89.9
≥ 700	19.0	74.8	79.7	84.3	85.8	87.1	88.6	89.7	89.7	90.4	90.9	90.9	91.0	91.0	91.0	91.0
≥ 600	19.0	74.9	79.9	84.5	86.4	88.2	90.0	91.7	91.7	93.1	93.7	93.7	93.9	93.9	94.0	94.0
≥ 500	19.0	74.9	80.2	84.9	86.9	88.7	90.9	92.6	92.6	93.9	94.5	94.5	94.8	94.8	94.9	94.9
≥ 400	19.0	74.9	80.3	85.2	87.7	89.7	92.1	94.4	94.5	96.1	97.1	97.1	97.6	97.6	97.7	97.7
≥ 300	19.0	74.9	80.3	85.2	87.7	89.7	92.2	94.9	95.0	96.8	98.1	98.1	98.5	98.5	98.7	98.8
≥ 200	19.0	74.9	80.3	85.2	87.7	89.7	92.2	94.9	95.0	96.8	98.1	98.1	98.8	98.9	99.1	99.3
≥ 100	19.0	74.9	80.3	85.2	87.7	89.7	92.2	94.9	95.0	96.8	98.1	98.1	98.8	98.9	99.4	99.8
≥ 0	19.0	74.9	80.3	85.2	87.7	89.7	92.2	94.9	95.0	96.8	98.1	98.1	98.8	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	12.7	27.5	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	16.4	35.5	36.0	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 18000	16.4	35.5	36.0	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 16000	16.5	35.6	36.1	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 14000	16.5	35.6	36.1	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 12000	16.7	35.9	36.4	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 10000	16.9	36.9	37.5	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 9000	17.0	37.7	38.4	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 8000	17.0	38.8	39.7	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 7000	17.3	39.9	40.9	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 6000	17.4	40.5	41.6	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 5000	17.5	42.2	43.4	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 4500	17.9	44.3	45.6	46.1	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 4000	17.9	44.8	46.1	46.7	47.2	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 3500	18.6	49.5	51.7	51.7	52.2	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3000	20.9	56.0	57.8	58.8	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 2500	21.5	61.1	63.7	64.0	64.8	65.3	65.7	65.8	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2000	22.6	69.2	72.0	74.2	75.1	75.5	76.3	76.4	76.4	76.5	76.8	76.8	76.8	76.8	76.9	76.9
≥ 1800	22.6	70.0	72.9	75.4	76.3	76.9	77.7	77.9	77.9	78.0	78.2	78.2	78.2	78.3	78.3	78.3
≥ 1500	22.9	72.9	77.5	80.4	81.5	82.5	83.8	83.9	83.9	84.1	84.3	84.3	84.4	84.5	84.5	84.5
≥ 1200	22.9	74.3	79.3	82.6	84.1	85.4	86.7	87.1	87.1	87.3	87.7	87.7	87.8	88.0	88.0	88.0
≥ 1000	22.9	74.8	80.0	83.5	85.3	86.7	88.2	88.6	88.6	88.8	89.2	89.2	89.3	89.4	89.4	89.4
≥ 900	22.9	74.8	80.0	83.7	85.5	87.1	88.7	89.1	89.1	89.4	89.8	89.8	89.9	90.0	90.0	90.0
≥ 800	22.9	74.9	80.4	84.3	86.7	88.4	9.0	90.8	90.8	91.1	91.5	91.5	91.6	91.7	91.7	91.7
≥ 700	22.9	74.9	80.8	84.7	87.1	88.8	90.6	91.5	91.5	92.0	92.5	92.5	92.7	92.8	92.8	92.8
≥ 600	22.9	75.1	81.0	84.9	87.5	89.4	91.5	92.5	92.5	92.9	93.4	93.4	93.7	93.8	93.8	93.8
≥ 500	22.9	75.1	81.0	85.0	87.6	89.5	91.7	92.8	92.8	93.7	94.2	94.2	94.4	94.5	94.5	94.5
≥ 400	22.9	75.2	81.4	85.5	88.1	90.1	92.5	93.7	93.7	94.9	95.7	95.7	96.2	96.4	96.6	96.6
≥ 300	22.9	75.2	81.4	85.5	88.1	90.1	92.5	93.9	93.9	95.3	96.2	96.2	96.7	96.8	97.1	97.1
≥ 200	22.9	75.2	81.4	85.5	88.1	90.3	92.6	94.3	94.3	95.7	97.2	97.2	98.2	98.5	98.9	99.1
≥ 100	22.9	75.2	81.4	85.5	88.1	90.3	92.6	94.3	94.3	95.7	97.2	97.2	98.2	98.7	99.1	99.6
≥ 0	22.9	75.2	81.4	85.5	88.1	90.3	92.6	94.3	94.3	95.7	97.2	97.2	98.2	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ .	≥ 0
NO CEILING	20.7	31.7	31.9	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000	24.0	37.1	37.7	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 18000	24.0	37.1	37.7	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 16000	24.0	37.1	37.7	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 14000	24.5	37.6	38.2	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 12000	24.7	38.2	38.8	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 10000	26.2	40.6	41.2	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 9000	26.2	41.0	41.6	42.4	42.5	42.5	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	26.7	41.9	42.5	43.2	43.3	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 7000	27.4	43.1	43.8	44.7	44.8	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	28.0	44.7	45.4	46.3	46.4	46.4	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000	29.4	49.4	50.6	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 4500	29.6	51.4	52.6	53.7	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4000	30.7	53.7	55.8	56.9	57.4	57.4	57.4	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 3500	32.2	57.3	59.5	60.8	61.7	61.7	61.8	61.9	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4
≥ 3000	34.1	61.2	63.6	65.4	66.2	66.3	66.5	66.6	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500	36.6	66.2	69.3	71.4	72.8	73.2	73.3	73.4	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2000	38.4	71.0	74.7	77.2	78.8	79.3	79.6	79.7	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1800	38.6	71.6	75.4	78.2	79.8	80.3	80.5	80.7	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	38.9	73.6	77.6	81.0	82.9	83.5	84.2	84.3	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	39.0	74.2	78.2	81.8	83.6	84.2	85.1	85.4	85.4	85.8	85.9	85.9	86.0	86.0	86.0	86.0
≥ 1000	39.2	74.8	79.1	82.9	84.9	85.8	86.7	87.1	87.1	87.8	87.9	87.9	88.0	88.0	88.0	88.0
≥ 900	39.2	74.8	79.1	83.0	85.2	86.0	87.0	87.6	87.6	88.2	88.4	88.4	88.5	88.5	88.5	88.5
≥ 800	39.2	74.9	79.3	83.4	85.9	86.9	88.5	89.5	89.5	90.1	90.2	90.2	90.5	90.5	90.5	90.5
≥ 700	39.2	75.2	79.6	84.0	86.7	87.6	89.5	90.8	90.8	91.4	91.7	91.7	91.9	91.9	91.9	91.9
≥ 600	39.2	75.3	79.9	84.6	87.5	88.7	90.7	92.2	92.2	92.8	93.1	93.1	93.4	93.4	93.4	93.4
≥ 500	39.2	75.3	80.0	84.8	88.2	89.5	91.4	93.1	93.1	93.9	94.2	94.2	94.5	94.5	94.5	94.5
≥ 400	39.2	75.3	80.0	85.1	88.7	90.0	92.2	94.1	94.1	95.2	95.8	95.8	96.2	96.2	96.3	96.3
≥ 300	39.2	75.3	80.0	85.1	88.7	90.0	92.4	94.4	94.4	95.6	96.2	96.2	96.6	96.6	96.8	96.8
≥ 200	39.2	75.3	80.0	85.1	88.7	90.0	92.4	94.5	94.5	96.2	97.4	97.4	98.4	98.4	98.7	98.8
≥ 100	39.2	75.3	80.0	85.1	88.7	90.0	92.4	94.5	94.5	96.2	97.6	97.6	98.8	98.9	99.4	99.6
≥ 0	39.2	75.3	80.0	85.1	88.7	90.0	92.4	94.5	94.5	96.2	97.6	97.6	98.8	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	33.7	40.0	40.6	40.7	40.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	36.7	44.0	44.6	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	36.7	44.0	44.6	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	36.7	44.0	44.6	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 14000	37.4	44.9	45.5	45.6	45.6	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000	37.6	45.5	46.1	46.2	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	40.9	49.6	50.2	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000	40.9	49.6	50.2	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 8000	41.8	51.1	51.7	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 7000	43.2	52.7	53.4	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 6000	44.5	54.5	55.2	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 5000	48.8	61.5	62.4	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	48.8	61.5	62.4	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	51.6	64.5	65.7	66.0	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 3500	53.0	67.1	68.7	68.9	69.3	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3000	54.4	69.4	71.7	72.0	72.3	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 2500	56.0	71.3	74.9	75.1	75.9	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	57.7	75.1	79.1	79.4	80.2	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	57.8	75.5	79.6	79.9	80.7	81.1	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	59.0	78.3	82.9	83.3	84.1	84.5	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1200	59.1	78.9	83.5	84.0	85.0	85.4	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	59.3	79.6	84.5	85.1	86.1	86.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	59.3	79.6	84.5	85.2	86.2	86.8	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 800	59.3	79.8	85.0	85.9	87.0	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	59.3	79.9	85.2	86.1	87.3	88.0	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	59.3	80.0	85.7	86.7	87.9	88.7	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 500	59.4	80.2	86.2	87.7	89.4	90.1	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400	59.4	80.2	86.3	87.9	90.1	91.1	93.2	93.9	93.9	94.0	94.1	94.1	94.5	94.5	94.5	94.5
≥ 300	59.4	80.4	86.8	88.7	91.3	92.3	94.4	95.1	95.1	95.4	95.6	95.6	96.1	96.1	96.2	96.2
≥ 200	59.4	80.4	86.8	88.7	91.5	92.4	94.6	95.6	95.6	96.5	96.7	96.7	97.7	97.7	98.0	98.3
≥ 100	59.4	80.4	86.8	88.7	91.5	92.4	94.6	95.6	95.6	96.6	97.0	97.0	98.0	98.0	98.8	99.3
≥ 0	59.4	80.4	86.8	88.7	91.5	92.4	94.6	95.6	95.6	96.6	97.0	97.0	98.3	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 820

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	20.2	32.8	33.4	33.6	33.9	33.9	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.3	34.3
≥ 20000	22.2	37.4	38.3	38.8	39.1	39.1	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000	22.2	37.4	38.3	38.8	39.1	39.1	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	22.2	37.5	38.3	38.8	39.1	39.1	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.5	39.5
≥ 14000	22.6	37.9	38.8	39.2	39.6	39.6	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 12000	22.8	38.3	39.2	39.7	40.0	40.0	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.4
≥ 10000	24.1	40.8	41.8	42.3	42.6	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0
≥ 9000	24.2	41.2	42.3	42.9	43.2	43.2	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6	43.6
≥ 8000	24.7	42.4	43.5	44.1	44.4	44.5	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.9	44.9
≥ 7000	25.3	43.8	45.1	45.6	46.0	46.0	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	25.9	44.9	46.3	46.9	47.4	47.4	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9	47.9
≥ 5000	27.5	48.4	49.9	50.7	51.2	51.2	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.8	51.8
≥ 4500	27.7	49.9	51.5	52.4	53.0	53.0	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4000	28.6	51.3	53.2	54.1	54.8	54.9	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 3500	29.5	54.2	56.3	57.3	58.0	58.1	58.5	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8
≥ 3000	30.6	57.4	59.8	60.8	61.7	61.8	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 2500	31.9	61.4	64.2	65.4	66.6	66.8	67.4	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	33.6	66.4	69.7	71.5	72.9	73.2	74.0	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.5	74.5
≥ 1800	33.8	67.3	70.7	72.5	74.0	74.3	75.1	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.7	75.7
≥ 1500	34.5	70.7	74.9	77.1	78.7	79.2	80.3	80.6	80.6	80.8	80.9	80.9	80.9	80.9	81.0	81.0
≥ 1200	34.8	72.5	76.9	79.4	81.2	81.8	83.0	83.5	83.5	83.8	83.9	83.9	84.0	84.0	84.0	84.0
≥ 1000	35.1	73.9	78.7	81.4	83.5	84.2	85.5	86.1	86.1	86.5	86.7	86.7	86.7	86.7	86.8	86.8
≥ 900	35.2	74.1	79.1	81.9	84.1	84.9	86.3	86.9	86.9	87.3	87.4	87.4	87.5	87.5	87.5	87.5
≥ 800	35.2	74.5	79.6	82.8	85.1	85.1	87.6	88.4	88.4	88.9	89.0	89.0	89.1	89.1	89.2	89.2
≥ 700	35.2	74.7	80.0	83.3	85.9	86.9	88.5	89.4	89.4	89.9	90.1	90.1	90.2	90.2	90.2	90.2
≥ 600	35.2	74.9	80.5	83.9	86.7	87.9	89.8	90.8	90.8	91.5	91.8	91.8	91.9	91.9	92.0	92.0
≥ 500	35.2	75.0	80.8	84.4	87.4	88.7	90.9	92.3	92.0	92.9	93.2	93.2	93.3	93.4	93.4	93.4
≥ 400	35.2	75.1	80.9	84.7	88.0	89.4	92.0	93.4	93.4	94.6	95.1	95.1	95.4	95.4	95.5	95.5
≥ 300	35.2	75.1	81.0	84.9	88.3	89.7	92.4	94.0	94.0	95.4	96.1	96.1	96.4	96.4	96.6	96.6
≥ 200	35.2	75.1	81.0	85.0	88.4	89.8	92.6	94.3	94.4	96.2	97.2	97.2	97.9	98.0	98.3	98.3
≥ 100	35.2	75.1	81.0	85.0	88.4	89.8	92.6	94.3	94.4	96.2	97.3	97.3	98.2	98.4	99.0	99.3
≥ 0	35.2	75.1	81.0	85.0	88.4	89.8	92.6	94.3	94.4	96.2	97.3	97.3	98.3	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6574

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

732246

MANSFIELD LAHM MAP OH

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-0200
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	41.9	47.8	48.5	48.9	49.0	49.0	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	43.3	50.2	51.0	51.3	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	43.3	50.2	51.0	51.3	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	43.3	50.2	51.0	51.3	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	44.1	51.0	51.7	52.1	52.2	52.2	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	44.7	52.4	53.1	53.5	53.6	53.6	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	47.5	56.3	57.1	57.4	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	47.6	56.5	57.3	57.7	57.8	57.8	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	49.3	58.6	59.3	59.7	59.8	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	49.9	59.3	60.1	60.5	60.6	60.6	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 6000	52.1	62.3	63.2	63.8	63.9	63.9	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	56.1	68.6	70.3	71.0	71.4	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	56.2	69.0	70.6	71.4	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	58.1	71.2	72.9	74.3	74.7	74.7	74.8	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	58.7	72.7	74.5	75.9	76.4	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	60.0	74.8	76.7	78.1	78.7	78.7	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	61.2	77.0	79.3	80.8	81.3	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	62.9	79.7	82.1	83.7	84.2	84.2	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	63.4	80.7	83.1	84.9	85.4	85.4	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	63.8	82.0	84.5	86.3	86.8	86.8	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	64.2	83.0	85.6	87.7	88.2	88.2	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	64.3	83.9	86.8	88.8	89.5	89.6	90.2	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 900	64.4	84.0	86.9	88.9	89.7	89.8	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	64.5	85.1	88.3	90.3	91.1	91.4	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 700	64.5	85.4	88.7	90.9	91.9	92.2	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	64.5	85.5	89.6	92.1	93.1	93.5	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	64.5	85.6	90.0	92.8	93.9	94.3	95.0	95.0	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 400	64.5	85.6	90.0	93.4	94.9	95.3	96.1	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	64.5	85.8	90.2	93.9	95.7	96.1	97.1	97.2	97.2	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	64.5	85.8	90.2	93.9	95.8	96.2	97.2	97.3	97.3	98.1	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	64.5	85.8	90.2	93.9	95.8	96.2	97.2	97.3	97.3	98.1	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	64.5	85.8	90.2	93.9	95.8	96.2	97.2	97.3	97.3	98.1	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

700246

MANSFIELD LAHM MAP OH

73-61

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING	38.5	45.5	46.8	47.5	48.2	46.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	46.4	48.4	48.4
≥ 20000	39.6	47.3	49.3	49.6	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 18000	39.6	47.3	49.3	49.6	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000	39.6	47.3	49.3	49.6	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000	40.0	47.9	49.5	50.1	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 12000	40.5	49.0	51.6	51.3	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000	44.1	53.4	55.1	55.7	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 9000	44.1	53.5	55.2	55.8	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 8000	45.2	54.9	56.6	57.2	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000	45.6	55.4	57.2	57.8	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	47.7	58.0	59.8	60.5	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 5000	50.8	63.3	65.3	66.5	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4500	51.2	64.1	66.3	67.6	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 4000	51.6	65.3	67.4	68.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 3500	53.5	67.8	70.5	71.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3000	54.8	69.9	72.7	74.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2500	56.1	72.1	75.0	76.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	57.7	74.9	78.0	79.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 1800	57.8	75.4	78.5	80.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	59.5	78.8	82.1	83.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1200	59.8	79.9	83.3	85.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1000	60.0	80.9	84.5	86.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 900	60.2	81.3	85.1	87.2	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 800	60.2	82.1	86.4	89.0	90.3	90.3	90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 700	60.2	82.7	87.1	89.8	91.0	91.0	91.4	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 600	60.2	83.1	87.8	90.7	91.9	91.9	92.4	92.6	92.6	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9
IV 500	60.2	83.7	88.6	92.0	93.4	93.6	94.4	94.6	94.6	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9
IV 400	60.2	83.7	88.6	92.4	94.1	94.4	95.6	95.7	95.7	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3
IV 300	60.2	83.7	88.6	92.4	94.2	94.7	96.0	96.1	96.1	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 200	60.2	83.7	88.6	92.9	94.9	95.5	97.1	97.2	97.2	97.6	97.9	97.9	97.9	98.4	98.4	98.4	98.4
IV 100	60.2	83.7	88.6	92.9	94.9	95.5	97.2	97.3	97.3	97.9	98.1	98.1	98.1	99.0	99.0	99.2	99.4
IV 0	60.2	83.7	88.6	92.9	94.9	95.5	97.2	97.3	97.3	97.9	98.1	98.1	98.1	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 792

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2610-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	11.2	34.8	36.4	37.3	38.1	38.3	38.3	38.6	38.6	38.9	38.9	38.9	38.9	39.0	39.0	39.1
≥ 20000	12.7	41.0	43.2	44.3	45.2	45.3	45.3	45.8	45.8	46.3	46.3	46.3	46.3	46.4	46.4	46.5
IN 18000	12.7	41.0	43.2	44.3	45.2	45.3	45.3	45.8	45.8	46.3	46.3	46.3	46.3	46.4	46.4	46.5
IN 16000	12.7	41.2	43.3	44.4	45.3	45.4	45.4	45.9	45.9	46.4	46.4	46.4	46.4	46.5	46.5	46.7
IN 14000	12.7	41.7	43.8	44.9	45.8	45.9	45.9	46.4	46.4	46.9	46.9	46.9	46.9	47.1	47.1	47.2
IN 12000	12.9	42.8	45.0	46.2	47.1	47.2	47.2	47.7	47.7	48.2	48.2	48.2	48.2	48.3	48.3	48.4
IN 10000	13.4	45.4	47.8	49.1	50.1	50.3	50.3	50.8	50.8	51.3	51.3	51.3	51.3	51.4	51.4	51.6
IN 9000	13.4	47.1	49.4	50.7	51.7	51.9	51.9	52.4	52.4	52.9	52.9	52.9	52.9	53.1	53.1	53.2
IN 8000	13.8	48.4	50.8	52.3	53.3	53.6	53.6	54.1	54.1	54.6	54.6	54.6	54.6	54.7	54.7	54.8
IN 7000	13.8	49.2	51.6	53.1	54.1	54.3	54.3	54.8	54.8	55.3	55.3	55.3	55.3	55.5	55.5	55.6
IN 6000	13.8	50.1	52.7	54.2	55.2	55.5	55.5	56.0	56.0	56.5	56.5	56.5	56.5	56.6	56.6	56.7
IN 5000	14.1	52.3	55.5	57.2	58.2	58.5	58.5	59.0	59.0	59.5	59.5	59.5	59.5	59.6	59.6	59.7
IN 4500	14.3	54.7	58.1	60.4	61.4	61.9	62.1	62.6	62.6	63.1	63.1	63.1	63.1	63.2	63.2	63.4
IN 4000	14.3	55.2	58.7	61.1	62.1	62.6	62.9	63.4	63.4	63.9	63.9	63.9	63.9	64.0	64.0	64.1
IN 3500	14.4	56.7	60.4	62.7	63.9	64.4	64.6	65.1	65.1	65.6	65.6	65.6	65.6	65.7	65.7	65.9
IN 3000	14.8	58.5	62.1	64.5	65.7	66.2	66.5	67.0	67.0	67.5	67.5	67.5	67.5	67.6	67.6	67.8
IN 2500	15.2	61.4	65.1	67.5	69.4	70.0	70.3	70.8	70.8	71.3	71.3	71.3	71.3	71.4	71.4	71.5
IN 2000	15.6	63.9	67.9	70.3	72.8	73.5	73.8	74.4	74.4	74.9	74.9	74.9	74.9	75.0	75.0	75.2
IN 1800	15.7	65.5	69.5	71.9	74.4	75.2	75.4	76.0	76.0	76.7	76.7	76.7	76.7	76.8	76.8	76.9
IN 1500	16.3	67.9	72.1	74.9	77.7	78.4	78.8	79.4	79.4	80.2	80.2	80.2	80.2	80.3	80.3	80.4
IN 1200	16.4	69.8	74.3	77.4	80.3	81.1	81.4	82.1	82.1	82.8	82.8	82.8	82.8	82.9	82.9	83.2
IN 1000	16.6	70.4	75.0	78.2	81.1	81.8	82.3	82.9	82.9	83.7	83.7	83.8	83.8	83.8	83.9	84.1
IN 900	16.6	71.5	75.3	79.0	82.3	83.1	83.7	84.3	84.3	85.2	85.3	85.3	85.3	85.4	85.4	85.6
IN 800	16.6	71.9	75.9	79.9	83.3	84.2	85.1	85.7	85.7	86.6	86.6	86.7	86.7	86.8	86.8	87.0
IN 700	16.6	71.9	77.3	81.3	84.9	86.1	87.0	87.7	87.7	88.6	88.7	88.7	88.7	88.8	88.8	89.0
IN 600	16.6	72.1	77.9	82.4	86.2	87.5	88.6	89.7	89.7	90.7	91.1	91.1	91.1	91.2	91.2	91.3
IN 500	16.6	72.3	78.2	82.7	86.7	88.3	89.7	91.1	91.1	92.1	92.5	92.5	92.5	92.6	92.6	92.7
IN 400	16.6	72.3	78.3	82.8	87.0	89.3	92.0	93.7	93.7	94.7	95.1	95.1	95.1	95.2	95.2	95.4
IN 300	16.6	72.3	78.4	82.9	87.5	90.2	93.6	95.6	95.6	96.9	97.4	97.4	97.4	97.5	97.6	97.9
IN 200	16.6	72.3	78.4	83.1	87.6	90.3	94.0	96.0	96.0	97.4	97.9	97.9	97.9	98.2	98.4	98.7
IN 100	16.6	72.3	78.4	83.1	87.6	90.3	94.0	96.0	96.0	97.4	97.9	97.9	97.9	98.2	98.4	99.6
IN 0	16.6	72.3	78.4	83.1	87.6	90.3	94.0	96.0	96.0	97.4	97.9	97.9	97.9	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	14.0	37.3	38.7	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	15.3	44.1	45.0	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 18000	15.3	44.1	45.0	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 16000	15.3	44.1	45.0	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 14000	15.3	44.7	45.6	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 12000	15.5	45.6	46.5	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 10000	15.8	47.7	49.1	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 9000	16.0	48.7	50.3	51.1	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 8000	16.2	50.1	51.6	52.6	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 7000	16.5	51.5	53.0	54.0	55.0	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 6000	16.9	51.8	53.3	54.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 5000	17.8	54.9	56.4	57.5	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 4500	17.9	57.4	58.9	60.2	61.3	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4000	17.9	58.0	59.5	60.8	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 3500	17.9	58.6	60.5	61.9	63.0	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 3000	18.2	60.2	62.0	63.7	65.0	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 2500	19.0	63.5	65.8	67.8	69.2	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 2000	19.8	67.5	69.8	72.1	73.6	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 1800	19.8	68.5	70.8	73.1	74.7	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1500	19.9	72.6	75.6	78.1	79.9	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1200	19.9	74.3	77.8	80.8	82.7	83.5	84.3	84.5	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 1000	19.9	75.7	79.4	82.8	84.7	85.5	86.3	86.5	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.0
IV 900	19.9	76.2	79.9	83.5	85.5	86.2	87.1	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 800	19.9	76.6	80.6	84.3	87.0	88.0	89.1	89.5	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.0
IV 700	19.9	77.3	81.5	85.3	88.1	89.1	90.7	91.4	91.4	92.0	92.1	92.1	92.1	92.1	92.1	92.1
IV 600	19.9	77.7	81.8	85.8	88.8	89.8	91.9	92.6	92.6	93.2	93.5	93.5	93.5	93.5	93.5	93.5
IV 500	19.9	77.7	82.1	86.3	89.6	90.7	93.1	94.1	94.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	19.9	77.7	82.1	86.7	90.2	91.6	94.1	95.7	95.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	19.9	77.7	82.1	86.7	90.5	91.9	94.7	96.5	96.5	98.1	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	19.9	77.7	82.1	86.7	90.5	91.9	94.9	96.7	96.7	98.6	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	19.9	77.7	82.1	86.7	90.5	91.9	94.9	96.7	96.7	98.6	99.4	99.4	99.4	99.5	99.6	99.7
IV 0	19.9	77.7	82.1	86.7	90.5	91.9	94.9	96.7	96.7	98.6	99.4	99.4	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	17.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	20.6	43.4	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000	20.6	43.4	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000	20.6	43.4	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	20.8	43.9	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 12000	20.8	44.8	44.8	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	21.7	47.7	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 9000	21.7	48.2	48.2	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 8000	22.0	50.0	50.0	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	22.0	51.8	51.9	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 6000	22.1	52.0	52.2	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 5000	22.6	54.1	54.2	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 4500	23.1	56.3	56.6	57.2	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000	23.4	57.0	57.2	57.9	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 3500	24.2	60.0	60.3	61.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 3000	25.5	65.6	66.0	67.1	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	27.7	72.1	72.7	74.1	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2000	28.4	76.5	77.3	79.1	80.2	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	28.6	78.3	79.1	80.8	82.0	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	28.7	81.1	82.1	84.4	85.8	86.5	86.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1200	29.1	83.1	84.3	87.2	88.8	89.6	89.8	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	29.1	83.6	84.9	87.8	89.8	90.7	91.0	91.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900	29.1	83.8	85.2	88.6	90.6	91.5	91.8	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 800	29.1	84.0	85.4	89.2	91.4	92.3	92.9	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	29.1	84.1	85.7	89.7	91.9	93.0	94.0	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	29.1	84.1	86.0	90.2	92.6	93.8	94.8	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	29.1	84.1	86.0	90.6	93.3	94.7	95.7	97.0	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	29.1	84.1	86.0	90.6	93.3	94.7	95.7	97.3	97.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 300	29.1	84.1	86.0	90.6	93.3	94.7	95.7	97.5	97.6	99.0	99.2	99.2	99.4	99.4	99.4	99.4
≥ 200	29.1	84.1	86.0	90.6	93.3	94.7	95.8	97.6	97.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6
≥ 100	29.1	84.1	86.0	90.6	93.3	94.7	95.8	97.6	97.7	99.1	99.5	99.5	99.9	99.9	100.0	100.0
≥ 0	29.1	84.1	86.0	90.6	93.3	94.7	95.8	97.6	97.7	99.1	99.5	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	19.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	23.8	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 18000	23.8	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 16000	23.8	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 14000	23.8	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 12000	23.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	24.3	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 9000	24.6	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	24.8	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	25.0	53.8	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 6000	25.1	54.4	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 5000	26.0	58.2	58.8	59.4	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	26.3	60.5	61.5	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4000	26.5	61.8	63.0	63.7	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3500	28.2	67.0	68.5	69.3	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	29.2	70.5	72.2	72.9	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500	30.6	75.0	77.3	78.5	79.2	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	31.3	78.7	81.3	82.8	83.5	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	31.3	78.9	82.0	83.5	84.6	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	32.0	81.9	85.0	86.6	88.0	88.3	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	32.1	83.1	86.3	88.3	90.3	90.5	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1000	32.1	83.6	86.9	88.9	91.0	91.3	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 900	32.1	84.0	87.4	89.4	91.6	91.9	92.5	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	32.1	84.5	88.0	90.0	92.3	92.5	93.3	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	32.1	84.8	88.4	90.4	93.3	93.6	94.5	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	32.1	85.3	89.0	91.6	94.3	94.9	95.9	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	32.1	85.3	89.0	91.8	94.6	95.4	96.4	96.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	32.1	85.3	89.0	91.8	94.9	95.8	97.1	97.8	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	32.1	85.3	89.0	91.9	95.1	96.0	97.5	98.1	98.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	32.1	85.3	89.0	91.9	95.1	96.0	97.5	98.1	98.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	32.1	85.3	89.0	91.9	95.1	96.0	97.5	98.1	98.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0
≥ 0	32.1	85.3	89.0	91.9	95.1	96.0	97.5	98.1	98.3	99.3	99.6	99.6	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	28.0	39.4	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	32.4	47.3	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	46.3
≥ 18000	32.4	47.3	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000	32.4	47.3	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000	32.4	48.0	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	33.9	50.2	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 10000	36.1	55.5	56.5	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	36.1	55.5	56.5	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	37.4	58.1	59.1	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	38.0	59.1	60.1	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	38.4	60.0	61.1	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000	40.0	65.3	66.6	68.0	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	40.8	67.3	69.1	70.5	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	42.2	70.3	72.3	73.7	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	42.7	72.4	74.5	76.2	77.0	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	43.2	74.6	76.7	78.7	79.5	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	44.2	77.3	79.4	81.3	82.2	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	45.0	80.6	83.0	84.9	85.9	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	45.0	80.9	83.4	85.3	86.3	86.5	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1500	45.6	82.6	85.3	87.3	88.3	88.6	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	45.6	83.0	85.6	87.7	88.7	89.1	89.7	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	45.7	84.0	87.0	89.2	90.5	90.9	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	45.7	84.1	87.2	89.5	90.7	91.1	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	45.7	84.4	87.4	89.8	91.2	91.6	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	45.7	84.5	87.7	90.2	91.7	92.2	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600	45.7	84.9	88.2	91.0	92.6	93.3	94.7	95.0	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	45.7	84.9	88.2	91.0	92.9	93.8	95.6	95.9	95.9	96.4	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	45.7	84.9	88.2	91.1	93.3	94.2	96.3	96.8	97.1	97.7	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	45.7	84.9	88.2	91.2	93.4	94.3	96.4	97.0	97.2	98.0	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	45.7	84.9	88.2	91.2	93.4	94.3	96.4	97.1	97.3	98.2	98.9	98.9	98.9	99.0	99.1	99.1
≥ 100	45.7	84.9	88.2	91.2	93.4	94.3	96.4	97.1	97.3	98.2	98.9	98.9	98.9	99.0	99.2	99.5
≥ 0	45.7	84.9	88.2	91.2	93.4	94.3	96.4	97.1	97.3	98.2	98.9	98.9	98.9	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	40.8	48.6	49.7	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	57.3
≥ 20000	43.2	51.9	53.3	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	43.2	51.9	53.3	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	43.2	51.9	53.3	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	44.1	53.1	54.4	54.8	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000	45.7	54.9	56.3	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000	48.3	59.2	60.6	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	48.4	59.3	60.7	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	49.1	60.7	62.1	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	49.9	61.8	63.2	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 6000	51.2	63.6	65.0	65.4	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	53.6	69.5	71.1	72.3	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	54.1	70.1	71.8	73.1	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4000	55.8	74.3	76.1	77.8	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	56.3	75.8	77.6	79.5	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	57.3	77.7	79.5	81.5	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	58.1	79.6	81.4	83.4	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	58.8	81.7	83.6	85.7	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	59.1	82.4	84.2	86.5	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	59.7	84.0	86.1	88.4	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1200	59.7	84.4	86.6	88.9	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1000	59.9	84.9	87.2	89.5	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 900	59.9	85.2	87.6	89.9	90.6	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	60.1	85.6	88.2	90.6	91.4	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	60.1	85.6	88.4	90.9	91.9	92.0	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600	60.1	85.9	88.9	91.7	93.2	93.5	94.4	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	60.1	86.1	89.2	92.7	94.5	94.7	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400	60.2	86.4	89.7	93.4	95.4	95.6	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 300	60.2	86.5	89.9	93.5	95.5	95.9	97.5	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	60.2	86.5	89.9	93.5	95.5	96.0	97.9	98.4	98.5	98.9	99.1	99.1	99.2	99.2	99.2	99.2
≥ 100	60.2	86.5	89.9	93.5	95.5	96.0	97.9	98.4	98.5	98.9	99.1	99.1	99.5	99.5	99.9	99.9
≥ 0	60.2	86.5	89.9	93.5	95.5	96.0	97.9	98.4	98.5	98.9	99.1	99.1	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 799

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	26.3	40.4	41.2	41.5	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0
≥ 20000	28.8	46.5	47.4	47.8	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.4
≥ 18000	28.8	46.5	47.4	47.8	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.4
≥ 16000	28.8	46.5	47.4	47.8	48.1	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.4
≥ 14000	29.2	47.1	48.0	48.5	48.7	48.8	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	29.7	48.4	49.4	49.8	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	31.4	51.9	53.0	53.6	53.9	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000	31.5	52.5	53.6	54.2	54.6	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	32.2	54.2	55.3	56.0	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000	32.6	55.2	56.4	57.1	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9
≥ 6000	33.3	56.5	57.8	58.5	59.0	59.1	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	35.1	60.7	62.2	63.3	64.0	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4
≥ 4500	35.4	62.4	64.1	65.3	66.0	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 4000	36.2	64.1	65.9	67.2	68.0	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	37.0	66.4	68.3	69.8	70.6	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	37.8	69.0	71.0	72.6	73.5	73.6	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	39.0	72.2	74.5	76.2	77.2	77.4	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2000	39.9	75.4	77.9	79.8	80.9	81.1	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	40.0	76.3	78.8	80.8	81.9	82.2	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	40.6	78.8	81.6	83.7	85.0	85.3	85.7	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	40.8	80.1	83.0	85.4	86.8	87.2	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1000	40.9	80.9	84.0	86.4	88.0	88.4	88.9	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	41.0	81.1	84.3	87.0	88.7	89.1	89.6	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	41.0	81.6	85.0	87.9	89.7	90.2	90.9	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	41.0	82.0	85.6	88.6	90.6	91.2	92.0	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 600	41.0	82.3	86.1	89.4	91.6	92.3	93.3	93.8	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.4
≥ 500	41.0	82.5	86.4	90.0	92.4	93.2	94.5	95.1	95.1	95.7	95.8	95.8	95.9	95.9	95.9	95.9
≥ 400	41.0	82.5	86.5	90.3	92.9	93.9	95.5	96.3	96.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	41.0	82.5	86.5	90.4	93.1	94.2	96.1	97.0	97.1	98.0	98.3	98.3	98.3	98.3	98.3	98.4
≥ 200	41.0	82.5	86.5	90.5	93.3	94.3	96.3	97.3	97.4	98.4	98.9	98.9	99.0	99.1	99.1	99.1
≥ 100	41.0	82.5	86.5	90.5	93.3	94.3	96.4	97.3	97.4	98.4	98.9	98.9	99.2	99.3	99.4	99.7
0	41.0	82.5	86.5	90.5	93.3	94.3	96.4	97.3	97.4	98.4	98.9	98.9	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6349

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (UT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	41.3	49.8	51.6	52.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	44.5	53.1	55.4	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	44.5	53.1	55.4	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	44.5	53.1	55.4	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	44.8	53.7	56.0	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	45.3	54.4	56.7	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	48.4	58.6	61.2	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 9000	48.4	58.6	61.2	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 8000	48.6	58.8	61.5	63.1	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	49.3	59.9	62.7	64.3	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	51.2	62.2	65.2	67.0	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	53.8	68.2	71.9	74.0	75.3	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	53.8	68.4	72.2	74.2	75.6	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	54.6	70.0	74.4	76.8	78.6	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	54.9	70.8	75.3	78.3	80.1	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3000	55.8	72.2	77.0	80.1	81.9	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	56.3	73.3	78.3	81.4	83.2	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	56.5	74.5	79.6	82.9	84.7	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	56.5	74.5	79.6	83.0	84.8	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500	56.6	75.2	80.4	84.0	86.0	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	56.7	75.8	81.2	84.7	86.8	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5
≥ 1000	56.9	76.2	81.9	85.7	88.1	88.3	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.1	89.1
≥ 900	56.9	76.3	82.1	86.0	88.6	88.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.6	89.6
≥ 800	56.9	76.4	82.5	86.6	89.6	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0
≥ 700	57.0	76.8	82.9	87.0	89.9	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.4	91.4
≥ 600	57.0	76.8	82.9	87.1	90.3	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0
≥ 500	57.1	77.0	83.1	88.0	91.5	92.2	93.1	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.8	93.8
≥ 400	57.1	77.0	83.2	88.3	92.1	93.1	94.4	95.0	95.0	95.5	95.5	95.5	95.5	95.5	95.7	95.7
≥ 300	57.1	77.0	83.2	88.3	92.1	93.1	94.5	95.3	95.3	95.7	95.7	95.7	95.7	95.7	96.2	96.2
≥ 200	57.1	77.0	83.2	88.3	92.2	93.2	94.8	95.6	95.6	96.2	96.4	96.4	96.4	96.7	97.6	97.8
≥ 100	57.1	77.0	83.2	88.3	92.2	93.2	94.8	95.6	95.6	96.4	96.6	96.6	96.6	97.2	98.3	99.0
≥ 0	57.1	77.0	83.2	88.3	92.2	93.2	94.8	95.6	95.6	96.4	96.6	96.6	96.6	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	28.9	41.7	45.2	46.6	48.2	48.6	48.7	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.1
≥ 20000	30.6	44.6	48.2	49.7	51.5	51.9	52.0	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 18000	30.6	44.6	48.2	49.7	51.5	51.9	52.0	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 16000	30.6	44.6	48.2	49.7	51.5	51.9	52.0	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 14000	31.0	45.3	49.0	50.7	52.5	52.8	53.0	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.6
≥ 12000	31.1	46.2	49.8	51.5	53.3	53.8	53.9	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.5
≥ 10000	34.7	51.1	55.0	56.7	59.0	59.5	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.2
≥ 9000	34.8	51.5	55.4	57.1	59.4	59.9	60.0	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.6
≥ 8000	35.8	53.1	57.0	58.6	60.9	61.7	61.9	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5
≥ 7000	36.3	54.1	57.9	59.6	61.9	62.6	62.9	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.5
≥ 6000	37.7	56.1	60.1	61.8	64.1	64.8	65.1	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.7
≥ 5000	39.8	60.2	64.8	66.7	69.0	69.8	70.1	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.9
≥ 4500	40.1	61.5	66.1	68.2	70.5	71.2	71.7	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.6
≥ 4000	40.5	62.2	67.1	69.4	71.7	72.4	72.9	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 3500	41.1	63.2	68.3	70.7	73.0	73.8	74.2	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 3000	41.5	64.6	69.8	72.2	74.7	75.6	76.1	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.1
≥ 2500	42.2	65.9	71.1	73.8	76.4	77.3	77.9	78.7	78.7	78.8	79.0	79.0	79.0	79.1	79.1	79.2
≥ 2000	42.2	66.1	71.7	74.4	77.1	78.0	78.6	79.4	79.4	79.6	79.7	79.7	79.7	79.8	79.8	79.9
≥ 1800	42.3	66.4	72.1	74.7	77.5	78.4	79.0	79.8	79.8	79.9	80.2	80.2	80.2	80.3	80.3	80.4
≥ 1500	42.4	67.6	73.5	76.4	79.2	80.0	80.7	81.5	81.5	81.6	81.9	81.9	81.9	82.0	82.0	82.1
≥ 1200	42.4	67.7	73.8	76.7	79.6	80.4	81.0	81.9	81.9	82.0	82.2	82.2	82.2	82.3	82.3	82.5
≥ 1000	42.7	68.3	74.8	78.0	81.5	82.5	83.1	83.9	83.9	84.0	84.3	84.3	84.3	84.4	84.4	84.5
≥ 900	42.7	68.3	74.8	78.4	82.0	83.0	83.6	84.4	84.4	84.5	84.8	84.8	84.8	84.9	84.9	85.0
≥ 800	42.7	69.2	75.9	79.9	83.8	84.9	85.6	86.5	86.5	86.6	86.8	86.8	86.8	87.1	87.1	87.2
≥ 700	42.7	69.8	76.9	80.7	84.6	85.7	86.6	87.4	87.4	87.5	87.9	87.9	87.9	88.1	88.1	88.3
≥ 600	42.7	69.9	77.0	81.4	85.0	87.1	88.1	89.1	89.1	89.2	89.6	89.6	89.6	90.0	90.0	90.1
≥ 500	42.7	70.1	77.4	82.7	87.7	89.0	90.3	91.3	91.3	91.5	91.9	91.9	91.9	92.3	92.3	92.5
≥ 400	42.7	70.4	77.6	83.1	88.3	90.0	91.7	92.9	92.9	93.6	94.0	94.0	94.4	94.4	94.4	94.7
≥ 300	42.7	70.4	77.6	83.1	88.3	90.0	91.9	93.1	93.1	94.0	94.4	94.4	95.2	95.2	95.4	95.4
≥ 200	42.7	70.4	77.6	83.1	88.4	90.2	92.7	94.1	94.1	95.2	95.6	95.6	96.6	96.6	97.1	97.2
≥ 100	42.7	70.4	77.6	83.1	88.4	90.2	92.7	94.1	94.1	95.2	95.6	95.6	96.7	96.7	97.9	98.7
≥ 0	42.7	70.4	77.6	83.1	88.4	90.2	92.7	94.1	94.1	95.2	95.6	95.6	96.7	96.7	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 827

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 MANSFIELD LAHM MAP OH

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0800
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	10.6	33.7	36.4	38.5	39.7	41.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.0	42.1
≥ 20000	11.3	37.9	41.1	43.2	44.9	46.5	47.9	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
≥ 18000	11.3	37.9	41.1	43.2	44.9	46.5	47.9	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
≥ 16000	11.3	37.9	41.1	43.2	44.9	46.5	47.9	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.4
≥ 14000	11.3	38.6	41.9	43.9	45.8	47.3	48.8	48.9	48.9	48.9	49.0	49.0	49.2	49.2	49.2	49.3
≥ 12000	11.9	41.0	44.5	46.7	48.5	50.1	51.6	51.7	51.7	51.7	51.8	51.8	51.9	51.9	51.9	52.1
≥ 10000	12.7	43.2	47.2	49.4	51.5	53.0	54.5	54.6	54.6	54.6	54.7	54.7	54.9	54.9	54.9	55.0
≥ 9000	13.0	43.8	47.8	50.1	52.2	53.8	55.2	55.3	55.3	55.3	55.5	55.5	55.6	55.6	55.6	55.7
≥ 8000	13.2	45.8	50.0	52.5	54.6	56.2	57.6	57.9	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.3
≥ 7000	13.3	47.2	51.7	54.2	56.4	58.3	59.8	60.1	60.1	60.3	60.4	60.4	60.6	60.6	60.6	60.7
≥ 6000	13.3	47.8	52.3	55.0	57.3	59.1	60.7	60.9	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.5
≥ 5000	13.6	49.9	54.5	57.6	60.1	61.9	63.5	63.7	63.7	64.0	64.1	64.1	64.2	64.2	64.2	64.3
≥ 4500	14.0	52.5	58.1	61.4	63.8	65.8	67.5	67.7	67.8	68.1	68.2	68.2	68.3	68.3	68.3	68.4
≥ 4000	14.0	53.2	58.9	62.1	64.7	67.1	68.9	69.2	69.3	69.5	69.7	69.7	69.8	69.8	69.8	69.9
≥ 3500	14.1	54.6	60.3	63.7	66.4	68.8	70.6	70.9	71.0	71.2	71.4	71.4	71.5	71.5	71.5	71.6
≥ 3000	14.3	56.1	61.8	65.2	68.1	70.6	72.6	72.8	72.9	73.2	73.3	73.3	73.4	73.4	73.4	73.5
≥ 2500	14.7	56.9	62.7	66.3	69.2	71.8	73.8	74.2	74.3	74.6	74.9	74.9	75.0	75.0	75.0	75.1
≥ 2000	14.7	57.5	63.5	67.4	70.3	73.2	75.2	75.6	75.7	76.1	76.3	76.3	76.5	76.5	76.5	76.6
≥ 1800	14.7	57.9	63.8	67.7	70.8	73.7	75.7	76.2	76.3	76.7	76.9	76.9	77.1	77.1	77.1	77.2
≥ 1500	14.8	58.9	65.3	69.3	72.6	75.5	77.7	78.3	78.4	78.8	79.1	79.1	79.2	79.2	79.2	79.4
≥ 1200	14.9	60.2	66.9	71.2	74.6	77.8	80.0	80.6	80.7	81.1	81.6	81.6	81.8	81.8	81.8	81.9
≥ 1000	14.9	61.2	67.8	72.3	75.8	79.0	81.2	81.8	81.9	82.3	82.8	82.8	83.0	83.0	83.0	83.1
≥ 900	14.9	61.4	68.3	73.1	76.6	79.7	81.9	82.5	82.6	83.0	83.5	83.5	83.7	83.7	83.7	83.9
≥ 800	14.9	62.0	68.9	73.7	77.3	80.5	82.8	83.4	83.5	84.0	84.6	84.6	84.8	84.8	84.8	85.0
≥ 700	14.9	62.4	69.4	74.4	78.3	81.8	84.1	84.7	84.8	85.3	85.9	85.9	86.2	86.2	86.2	86.3
≥ 600	14.9	62.8	69.8	74.8	78.9	82.8	85.4	86.0	86.2	86.7	87.4	87.4	87.6	87.6	87.6	87.7
≥ 500	14.9	62.9	70.0	75.0	79.1	83.4	86.7	87.4	87.5	88.2	89.1	89.1	89.3	89.3	89.3	89.4
≥ 400	14.9	63.0	70.3	75.4	79.7	84.0	87.9	89.4	89.7	91.7	92.8	92.8	93.1	93.1	93.1	93.2
≥ 300	14.9	63.1	70.4	75.5	79.9	84.1	88.1	90.2	90.5	92.8	94.3	94.4	94.7	94.7	94.7	94.8
≥ 200	14.9	63.1	70.4	75.5	79.9	84.1	88.1	90.2	90.7	93.6	95.8	95.9	96.6	96.6	96.8	97.1
≥ 100	14.9	63.1	70.4	75.5	79.9	84.1	88.1	90.2	90.7	93.6	95.9	96.0	97.0	97.0	97.8	98.7
≥ 0	14.9	63.1	70.4	75.5	79.9	84.1	88.1	90.2	90.7	93.6	95.9	96.0	97.0	97.0	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0930-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	14.0	39.0	40.7	41.5	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	14.8	43.9	46.0	47.3	48.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	15.1	44.1	46.2	47.5	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 16000	15.1	44.4	46.4	47.8	49.3	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	15.1	44.7	46.8	48.2	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 12000	15.7	46.4	49.3	50.9	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	16.2	48.5	51.5	53.1	54.8	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000	16.2	49.5	52.5	54.0	55.8	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	16.7	51.1	54.2	56.0	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 7000	17.0	52.3	55.4	57.4	59.6	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	17.0	52.6	55.6	57.6	59.8	60.4	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	17.3	54.4	57.6	59.7	62.0	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	17.9	57.1	60.7	63.0	65.3	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	17.9	57.4	60.9	63.7	66.2	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 3500	18.0	58.2	62.0	65.0	67.5	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 3000	19.2	60.9	65.2	68.1	70.8	71.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2500	20.5	65.0	69.4	72.3	75.2	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	21.1	68.0	72.4	75.7	78.7	79.5	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1800	21.1	69.2	73.8	77.1	80.1	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	21.7	72.3	77.2	80.6	83.9	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	21.7	73.9	79.0	82.5	85.9	87.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1000	21.7	74.8	80.1	83.7	87.3	88.6	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	21.7	75.2	80.9	84.4	88.0	89.3	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 800	21.7	75.9	81.6	85.3	89.0	90.3	90.9	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	21.7	76.0	81.9	85.5	89.2	91.1	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	21.7	76.2	82.1	85.8	89.7	91.8	93.4	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	21.7	76.3	82.2	86.0	90.1	92.4	94.2	95.2	95.5	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	21.7	76.7	82.6	86.5	90.6	92.9	94.7	95.7	96.3	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	21.7	76.7	82.6	86.5	90.6	92.9	94.7	95.7	96.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	21.7	76.7	82.6	86.5	90.6	92.9	94.7	95.7	96.3	97.9	98.9	98.9	99.1	99.1	99.3	99.3
≥ 100	21.7	76.7	82.6	86.5	90.6	92.9	94.7	95.7	96.3	97.9	98.9	98.9	99.1	99.1	99.5	99.6
≥ 0	21.7	76.7	82.6	86.5	90.6	92.9	94.7	95.7	96.3	97.9	98.9	98.9	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	16.8	35.5	36.3	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000	18.9	42.6	44.1	44.8	45.	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 18000	18.9	42.6	44.1	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 16000	18.9	42.6	44.1	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 14000	18.9	42.6	44.3	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 12000	19.7	45.2	47.0	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 10000	20.3	47.0	48.8	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 9000	20.4	47.1	49.0	49.7	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 8000	20.8	48.5	50.3	51.0	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 7000	20.9	49.2	51.0	52.3	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 6000	21.4	50.2	52.0	53.4	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 5000	21.7	51.2	53.0	54.6	55.4	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 4500	22.1	53.7	55.6	57.3	58.1	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 4000	23.0	55.1	57.1	58.9	59.7	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3500	24.8	59.7	62.4	64.6	65.4	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 3000	27.0	66.1	69.0	71.4	73.0	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2500	28.3	72.3	75.3	77.9	79.7	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2000	28.7	77.4	80.6	83.8	85.7	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1800	28.7	77.9	81.3	84.5	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	28.7	79.6	83.2	86.6	89.0	89.6	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1200	28.8	81.7	84.6	88.4	90.8	91.5	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	28.8	81.4	85.2	89.3	91.7	92.3	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 900	29.8	81.7	85.5	89.5	92.1	92.7	93.9	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	28.8	81.8	85.7	89.9	92.6	93.2	94.6	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	28.8	81.8	85.8	90.0	92.7	93.3	95.0	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IV 600	28.8	82.1	86.1	91.5	93.2	94.0	96.0	96.7	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	28.8	82.1	86.2	90.6	93.3	94.3	96.3	97.2	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	26.8	82.3	86.6	91.1	93.8	95.1	97.2	98.2	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	28.8	82.3	86.6	91.1	93.8	95.1	97.2	98.4	98.9	99.3	99.4	99.4	99.5	99.5	99.6	99.6
IV 200	28.8	82.3	86.6	91.1	93.8	95.1	97.2	98.4	98.9	99.4	99.5	99.5	99.5	99.8	99.9	99.9
IV 100	28.8	82.3	86.6	91.1	93.8	95.1	97.2	98.4	98.9	99.4	99.5	99.5	99.5	99.8	100.0	100.0
IV 0	28.8	82.3	86.6	91.1	93.8	95.1	97.2	98.4	98.9	99.4	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥	≥0
NO CEILING	19.1	38.7	38.8	39.3	39.5	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	21.9	44.6	45.6	46.2	46.6	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	21.9	44.6	45.6	46.2	46.6	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 16000	21.9	44.6	45.7	46.3	46.7	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	21.9	44.8	45.7	46.3	46.7	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	21.9	46.7	47.7	48.3	48.7	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	22.2	49.1	50.1	50.7	51.5	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	22.7	50.1	51.2	51.8	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000	23.2	52.0	53.0	53.8	54.5	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 7000	23.7	53.7	55.0	55.7	56.5	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 6000	24.8	55.6	57.0	57.7	58.5	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 5000	25.6	57.4	58.9	59.8	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4500	26.8	61.0	62.7	63.7	64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4000	27.2	62.2	64.4	65.6	66.6	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	29.3	67.1	70.2	71.7	72.7	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	30.5	71.3	74.9	77.0	77.9	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	31.1	75.6	79.5	82.1	83.2	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	31.1	80.1	84.4	87.3	88.4	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	31.1	81.0	85.4	88.3	89.4	89.9	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	31.1	82.6	87.6	91.2	92.3	92.8	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	31.1	82.6	87.6	91.6	92.7	93.5	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	31.1	83.0	88.3	92.2	93.3	94.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	31.1	83.2	88.3	92.4	93.5	94.4	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	31.1	83.4	88.7	92.9	94.1	95.0	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	31.1	83.5	88.8	93.0	94.3	95.1	96.5	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	31.1	83.9	89.1	93.4	94.6	95.5	96.8	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	31.1	83.9	89.1	93.4	94.8	95.6	97.1	97.6	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	31.2	84.0	89.3	93.5	94.9	96.0	97.7	98.2	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	31.2	84.1	89.4	93.7	95.0	96.1	97.8	98.4	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	31.2	84.1	89.4	93.7	95.0	96.1	97.8	98.4	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	31.2	84.1	89.4	93.7	95.0	96.1	97.8	98.4	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	31.2	84.1	89.4	93.7	95.0	96.1	97.8	98.4	98.5	99.3	99.6	99.6	99.6	99.6	99.6	99.6

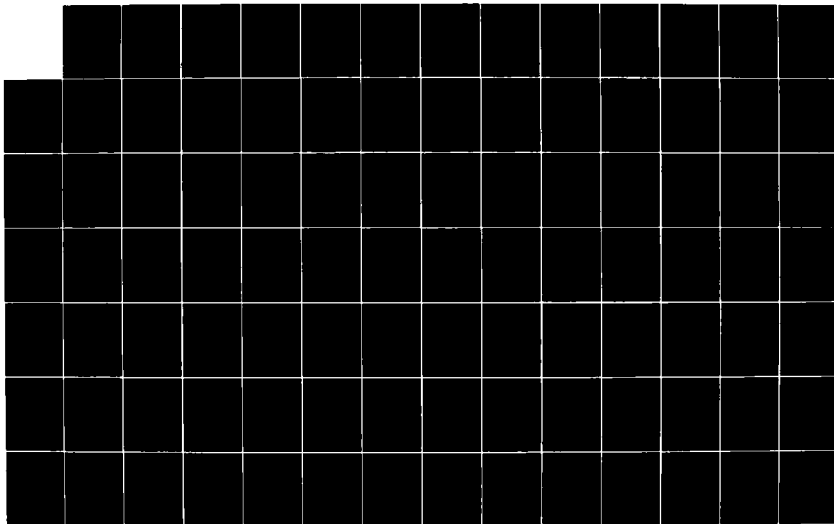
TOTAL NUMBER OF OBSERVATIONS 825

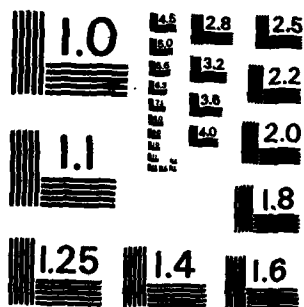
AD-A122 714

MANSFIELD/LAHM MAP OHIO REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82
UNCLASSIFIED USAFETAC/DS-82/048 S81-AD-8880 207

F/D 4/2

3/5
NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	31.1	41.2	42.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	34.6	47.3	49.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	34.6	47.3	49.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 16000	34.6	47.3	49.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	35.0	47.9	49.8	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	35.3	49.4	51.2	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	37.3	53.3	55.3	56.6	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	37.4	53.7	55.6	57.0	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	38.0	55.3	57.2	58.7	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 7000	38.5	56.1	58.1	59.7	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	39.1	57.8	60.3	62.0	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	41.8	62.3	65.1	67.2	68.6	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	42.0	63.2	66.4	68.6	70.3	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	43.6	67.5	71.1	73.7	75.5	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	44.1	69.1	73.0	75.9	77.8	78.4	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	45.2	71.1	75.4	78.7	80.9	81.5	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	45.5	72.4	77.0	80.9	83.5	84.2	84.8	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	46.1	73.9	78.9	83.2	86.2	86.9	87.7	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	46.1	73.9	79.2	83.5	86.4	87.1	88.0	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	46.3	74.5	79.9	84.9	88.0	88.7	89.6	90.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1200	46.3	74.5	79.9	85.2	88.2	89.0	89.8	90.2	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	46.3	74.5	79.9	85.2	88.2	89.0	89.8	90.2	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	46.3	74.5	80.5	86.2	89.2	90.0	90.9	91.3	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	46.3	75.0	80.8	86.8	90.0	90.7	91.8	92.2	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 700	46.3	75.1	80.9	87.0	90.3	91.1	92.2	92.5	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	46.3	75.4	81.3	87.5	91.1	92.0	93.3	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	46.3	75.4	81.4	87.6	91.2	92.3	93.8	94.7	94.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	46.3	75.4	81.4	87.7	91.4	92.6	94.2	95.6	95.7	97.5	97.8	97.8	97.9	97.9	97.9	97.9
≥ 300	46.3	75.4	81.4	87.7	91.4	92.6	94.2	95.6	95.7	98.0	98.3	98.3	98.7	98.7	98.7	98.7
≥ 200	46.3	75.4	81.4	87.7	91.4	92.6	94.2	95.6	95.7	98.0	99.0	99.0	99.4	99.4	99.4	99.4
≥ 100	46.3	75.4	81.4	87.7	91.4	92.6	94.2	95.6	95.7	98.0	99.4	99.4	99.8	99.8	99.9	99.9
≥ 0	46.3	75.4	81.4	87.7	91.4	92.6	94.2	95.6	95.7	98.0	99.4	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 816

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	40.2	49.1	51.0	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	42.7	52.3	54.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	42.7	52.3	54.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	42.7	52.3	54.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	43.2	52.8	55.2	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	43.9	53.7	56.2	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	46.7	57.7	60.6	62.3	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	46.9	58.0	61.0	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	47.2	58.8	61.7	63.6	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	47.6	59.1	62.1	63.9	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000	48.2	61.2	64.5	66.5	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	51.3	67.1	70.9	73.3	74.1	74.2	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	51.7	68.0	71.8	74.1	75.0	75.1	75.3	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 4000	53.1	70.8	74.8	77.4	78.5	78.8	79.0	79.1	79.1	79.3	79.3	79.3	79.3	79.4	79.4	79.4
≥ 3500	53.5	72.0	76.4	79.0	80.7	81.0	81.2	81.3	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.6
≥ 3000	54.0	73.5	77.9	80.7	82.5	82.7	82.9	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3
≥ 2500	54.4	74.4	78.9	82.1	83.9	84.2	84.4	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8
≥ 2000	54.6	75.3	79.9	83.3	85.2	85.4	85.6	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥ 1800	54.7	75.5	80.0	83.4	85.3	85.5	85.8	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
≥ 1500	54.7	76.4	81.2	84.8	86.9	87.1	87.4	87.5	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥ 1200	54.8	76.6	81.5	85.1	87.5	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3
≥ 1000	54.8	76.6	81.6	85.9	88.1	88.3	88.7	88.8	88.8	89.0	89.0	89.0	89.1	89.1	89.2	89.2
≥ 900	54.8	76.6	82.0	86.4	88.8	89.2	89.6	89.7	89.7	89.8	89.8	89.8	89.9	89.9	90.1	90.1
≥ 800	54.8	76.6	82.5	87.7	90.7	91.2	91.7	91.8	91.8	91.9	91.9	91.9	92.0	92.0	92.1	92.1
≥ 700	54.8	76.6	82.6	87.9	90.8	91.5	92.1	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.6	92.6
≥ 600	55.0	77.1	82.8	88.4	91.8	92.9	93.3	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.9	93.9
≥ 500	55.0	77.2	82.9	89.0	93.0	94.0	94.7	95.1	95.1	95.3	95.5	95.5	95.6	95.6	95.7	95.7
≥ 400	55.0	77.5	83.3	89.3	93.9	94.8	95.7	96.2	96.2	96.6	96.9	96.9	97.1	97.1	97.2	97.2
≥ 300	55.0	77.5	83.3	89.3	93.9	94.8	95.7	96.3	96.3	96.9	97.3	97.3	97.4	97.4	97.5	97.5
≥ 200	55.0	77.5	83.3	89.3	93.9	94.8	95.7	96.3	96.3	96.7	97.3	97.3	97.9	97.9	98.4	98.9
≥ 100	55.0	77.5	83.3	89.3	93.9	94.8	95.7	96.3	96.3	96.7	97.3	97.3	97.9	97.9	98.5	99.0
≥ 0	55.0	77.5	83.3	89.3	93.9	94.8	95.7	96.3	96.3	96.7	97.3	97.3	97.9	97.9	98.5	99.0

TOTAL NUMBER OF OBSERVATIONS 815

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	25.3	41.0	42.9	43.9	44.6	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	27.3	45.8	48.0	49.3	50.2	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9
≥ 18000	27.4	45.8	48.0	49.3	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9
≥ 16000	27.4	45.9	48.1	49.4	50.3	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	27.6	46.3	48.6	49.9	50.8	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	28.0	47.9	50.3	51.7	52.6	52.9	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	29.8	51.1	53.7	55.1	56.3	56.7	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	30.0	51.5	54.2	55.6	56.9	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 8000	30.4	52.9	55.6	57.2	58.4	58.9	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	30.8	53.9	56.7	58.4	59.7	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7
≥ 6000	31.6	55.4	58.4	60.1	61.5	62.0	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 5000	33.1	58.8	62.1	64.1	65.7	66.2	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9
≥ 4500	33.5	60.7	64.2	66.3	67.9	68.5	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	34.2	62.3	66.1	68.4	70.2	70.8	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
≥ 3500	35.0	64.3	68.5	71.1	73.0	73.6	74.2	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000	35.9	67.0	71.4	74.2	76.2	76.9	77.5	77.7	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9
≥ 2500	36.6	69.4	74.0	77.1	79.3	80.1	80.7	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 2000	36.9	71.6	76.4	79.7	82.0	82.9	83.6	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.1
≥ 1800	36.9	72.0	76.9	80.3	82.6	83.5	84.2	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7
≥ 1500	37.0	73.4	78.5	82.2	84.7	85.6	86.4	86.7	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0
≥ 1200	37.1	74.0	79.3	83.2	85.7	86.7	87.5	87.8	87.8	88.0	88.1	88.1	88.1	88.1	88.2	88.2
≥ 1000	37.1	74.5	79.9	84.0	86.7	87.8	88.6	89.0	89.0	89.1	89.3	89.3	89.3	89.3	89.4	89.4
≥ 900	37.1	74.7	80.3	84.5	87.3	88.4	89.3	89.7	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.1
≥ 800	37.1	75.0	80.8	85.3	88.4	89.5	90.5	91.0	91.0	91.2	91.3	91.3	91.4	91.4	91.5	91.5
≥ 700	37.2	75.3	81.2	85.7	88.8	90.0	91.1	91.6	91.6	91.8	92.0	92.0	92.1	92.1	92.1	92.1
≥ 600	37.2	75.5	81.4	86.1	89.4	90.8	92.2	92.7	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4
≥ 500	37.2	75.8	81.5	86.8	90.1	91.4	93.3	93.9	94.1	94.6	94.8	94.8	94.9	94.9	94.9	95.0
≥ 400	37.2	75.8	81.8	86.9	90.6	92.3	94.2	95.1	95.3	96.3	96.6	96.6	96.7	96.7	96.8	96.8
≥ 300	37.2	75.8	81.8	86.8	90.6	92.3	94.3	95.4	95.6	96.7	97.2	97.2	97.4	97.4	97.5	97.5
≥ 200	37.2	75.8	81.8	86.9	90.6	92.4	94.4	95.6	95.8	97.1	97.8	97.9	98.3	98.3	98.6	98.7
≥ 100	37.2	75.8	81.8	86.9	90.6	92.4	94.4	95.6	95.8	97.1	97.9	97.9	98.5	98.5	99.0	99.4
≥ 0	37.2	75.8	81.8	86.9	90.6	92.4	94.4	95.6	95.8	97.1	97.9	97.9	98.5	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6560

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6000-6200
FORM 1-11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥4	≥0
NO CEILING	38.2	53.1	56.7	60.1	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1
≥20000	39.2	56.0	60.4	64.4	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥18000	39.2	56.0	60.4	64.4	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥16000	39.2	56.0	60.4	64.4	65.8	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4
≥14000	39.9	56.4	60.9	65.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥12000	39.9	57.4	62.0	66.4	67.9	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6
≥10000	42.4	61.4	66.4	72.1	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5
≥9000	42.4	61.4	66.4	72.1	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5
≥8000	43.0	62.1	67.2	72.8	74.4	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2
≥7000	43.3	62.6	67.8	73.5	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8
≥6000	43.8	63.9	69.1	75.3	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9	77.9
≥5000	45.3	67.5	73.3	80.1	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.3	83.3
≥4500	45.4	67.7	73.5	80.3	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
≥4000	45.4	68.4	74.7	81.9	84.7	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥3500	45.8	69.1	75.5	82.6	85.5	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4
≥3000	45.9	70.1	76.6	84.0	87.4	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3
≥2500	46.7	71.2	77.9	85.3	89.1	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
≥2000	47.2	72.3	79.2	86.8	90.7	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥1800	47.2	72.3	79.2	86.8	90.7	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.6	91.6	91.6
≥1600	47.9	72.8	80.0	87.8	91.7	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7
≥1400	47.8	73.1	80.3	88.1	91.9	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
≥1200	48.1	73.7	81.6	89.4	93.5	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8
≥1000	48.1	73.7	81.6	89.4	93.5	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8
≥900	48.3	74.6	82.9	90.8	95.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6
≥800	48.3	74.6	83.0	90.9	95.3	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥700	48.3	74.7	83.3	91.2	95.6	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0
≥600	48.3	74.7	83.3	91.2	95.6	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0
≥500	48.4	75.2	83.9	92.5	97.1	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥400	48.4	75.3	84.0	92.6	97.6	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥300	48.4	75.3	84.0	92.6	97.6	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥200	48.4	75.3	84.0	92.6	97.6	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥100	48.4	75.3	84.0	92.6	97.6	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥0	48.4	75.3	84.0	92.6	97.6	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	25.5	45.2	48.4	52.1	54.2	54.2	55.1	55.7	55.7	56.2	56.4	56.4	56.6	56.6	56.6	56.7
≥ 20000	26.5	46.8	50.9	55.2	57.3	57.4	58.4	59.1	59.1	59.6	59.8	59.8	60.1	60.1	60.1	60.2
≥ 18000	26.7	46.9	51.1	55.3	57.4	57.6	58.6	59.2	59.2	59.7	59.9	59.9	60.2	60.2	60.2	60.3
≥ 16000	26.7	46.9	51.1	55.3	57.4	57.6	58.6	59.2	59.2	59.7	59.9	59.9	60.2	60.2	60.2	60.3
≥ 14000	27.1	47.6	51.8	56.4	58.7	58.9	59.9	60.6	60.6	61.1	61.3	61.3	61.6	61.6	61.6	61.7
≥ 12000	27.4	48.2	52.8	57.7	59.9	60.2	61.2	61.8	61.8	62.3	62.6	62.6	62.8	62.8	62.8	63.0
≥ 10000	29.4	52.9	57.9	63.5	66.0	66.2	67.6	68.2	68.2	68.7	69.0	69.0	69.3	69.3	69.3	69.5
≥ 9000	29.4	52.9	58.2	63.8	66.3	66.6	68.0	68.6	68.6	69.1	69.3	69.3	69.7	69.7	69.7	69.8
≥ 8000	29.4	53.6	58.8	64.7	67.3	67.6	69.0	69.6	69.6	70.1	70.3	70.3	70.7	70.7	70.7	70.8
≥ 7000	29.7	53.9	59.3	65.2	67.8	68.1	69.5	70.1	70.1	70.6	70.8	70.8	71.2	71.2	71.2	71.3
≥ 6000	30.3	54.9	60.3	66.3	69.1	69.5	71.0	71.6	71.6	72.1	72.3	72.3	72.7	72.7	72.7	72.8
≥ 5000	31.8	58.7	64.5	70.7	73.8	74.5	76.2	76.8	76.8	77.3	77.6	77.6	78.0	78.0	78.0	78.1
≥ 4500	32.0	59.3	65.1	71.3	74.8	75.6	77.3	78.0	78.0	78.6	78.8	78.8	79.2	79.2	79.2	79.3
≥ 4000	32.0	60.1	66.2	72.5	76.1	76.8	78.6	79.2	79.2	79.8	80.2	80.2	80.6	80.6	80.6	80.7
≥ 3500	32.5	61.2	67.5	73.8	77.7	78.5	80.4	81.0	81.0	81.6	82.1	82.1	82.5	82.5	82.5	82.6
≥ 3000	32.8	62.2	69.1	75.5	80.0	80.7	82.6	83.2	83.2	83.9	84.4	84.4	84.7	84.7	84.7	84.9
≥ 2500	33.0	63.5	70.6	77.1	81.7	82.5	84.4	85.1	85.1	85.7	86.2	86.2	86.6	86.6	86.6	86.7
≥ 2000	33.0	63.8	71.2	78.0	82.7	83.5	85.5	86.2	86.2	86.9	87.4	87.4	87.7	87.7	87.7	87.9
≥ 1800	33.0	64.2	71.7	78.5	83.5	84.2	86.2	87.0	87.0	87.6	88.1	88.1	88.5	88.5	88.5	88.6
≥ 1500	33.5	65.2	72.8	79.8	85.0	85.7	87.7	88.5	88.6	89.2	89.7	89.7	90.1	90.1	90.1	90.2
≥ 1200	33.5	65.8	73.5	80.7	85.9	86.6	88.7	89.5	89.6	90.2	90.7	90.7	91.1	91.1	91.1	91.2
≥ 1000	33.7	66.2	74.3	81.9	87.1	87.9	90.0	90.7	90.9	91.5	92.0	92.0	92.4	92.4	92.4	92.5
≥ 900	33.8	66.5	74.6	82.2	87.8	88.2	90.4	91.1	91.2	91.9	92.4	92.4	92.7	92.7	92.7	92.9
≥ 800	33.8	66.7	75.1	82.9	88.2	89.0	91.1	91.9	92.0	92.6	93.1	93.1	93.5	93.5	93.5	93.6
≥ 700	33.8	66.7	75.3	83.1	88.8	89.2	91.5	92.4	92.5	93.1	93.6	93.6	94.0	94.0	94.0	94.1
≥ 600	33.8	67.0	75.8	83.9	89.4	90.2	92.5	93.5	93.6	94.2	94.7	94.7	95.1	95.1	95.1	95.2
≥ 500	34.0	67.3	76.7	85.1	91.0	92.0	94.4	95.4	95.5	96.1	96.6	96.6	97.0	97.0	97.0	97.1
≥ 400	34.0	67.3	76.7	85.1	91.1	92.2	94.7	95.9	96.0	96.9	97.4	97.4	97.7	97.7	97.7	97.9
≥ 300	34.0	67.3	76.7	85.1	91.2	92.4	94.9	96.1	96.2	97.2	97.7	97.7	98.1	98.1	98.1	98.2
≥ 200	34.0	67.3	76.7	85.1	91.2	92.4	94.9	96.1	96.2	97.4	97.9	97.9	98.5	98.5	98.5	98.7
≥ 100	34.0	67.3	76.7	85.1	91.2	92.4	94.9	96.1	96.2	97.5	98.0	98.0	98.7	98.7	98.7	99.5
≥ 0	34.0	67.3	76.7	85.1	91.2	92.4	94.9	96.1	96.2	97.5	98.0	98.0	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 799

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A14 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	9.4	36.4	41.4	45.0	47.6	49.0	50.3	50.8	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.3
≥ 20000	10.2	40.9	47.0	50.6	53.8	55.7	57.1	57.7	57.7	57.9	58.1	58.1	58.2	58.2	58.2	58.3
≥ 18000	10.3	41.1	47.1	50.8	53.9	55.8	57.2	57.8	57.8	58.1	58.2	58.2	58.3	58.3	58.3	58.4
≥ 16000	10.3	41.1	47.1	50.8	53.9	55.8	57.2	57.8	57.8	58.1	58.2	58.2	58.3	58.3	58.3	58.4
≥ 14000	10.3	41.1	47.2	51.3	54.7	56.5	57.9	58.6	58.6	58.8	58.9	58.9	59.1	59.1	59.1	59.2
≥ 12000	10.6	42.4	48.9	53.7	57.2	59.2	60.6	61.2	61.2	61.5	61.6	61.6	61.7	61.7	61.7	61.8
≥ 10000	10.7	44.1	50.6	55.5	59.4	61.5	63.0	63.9	63.9	64.2	64.4	64.4	64.5	64.5	64.5	64.6
≥ 9000	11.0	45.3	52.4	57.4	61.3	63.5	65.0	65.9	65.9	66.2	66.5	66.5	66.6	66.6	66.6	66.8
≥ 8000	11.0	46.6	53.7	58.7	62.7	64.9	66.4	67.3	67.3	67.6	67.9	67.9	68.0	68.0	68.0	68.1
≥ 7000	11.1	47.2	54.4	59.4	63.6	65.7	67.3	68.1	68.1	68.5	68.8	68.8	68.9	68.9	68.9	69.0
≥ 6000	11.1	48.1	55.3	60.3	64.5	66.6	68.1	69.1	69.1	69.5	69.8	69.8	69.9	69.9	69.9	70.0
≥ 5000	11.2	49.6	56.8	62.0	66.1	68.6	70.4	71.5	71.5	71.9	72.2	72.2	72.3	72.3	72.3	72.4
≥ 4500	11.7	51.5	59.2	64.9	69.3	72.0	74.4	76.1	76.2	76.7	77.1	77.1	77.2	77.2	77.2	77.3
≥ 4000	11.7	51.8	59.6	65.4	69.9	72.9	75.6	77.2	77.3	78.0	78.3	78.3	78.5	78.5	78.5	78.6
≥ 3500	12.1	53.3	61.2	67.0	71.7	75.1	77.8	79.6	79.8	80.6	81.0	81.0	81.1	81.1	81.1	81.2
≥ 3000	12.1	54.5	62.8	69.0	73.8	77.3	80.2	82.0	82.2	83.1	83.5	83.5	83.6	83.6	83.6	83.8
≥ 2500	12.1	54.9	63.4	69.5	74.6	78.1	81.2	83.0	83.2	84.4	84.8	84.8	84.9	84.9	84.9	85.0
≥ 2000	12.5	55.9	64.4	70.6	75.8	79.3	82.5	84.6	84.9	86.0	86.4	86.4	86.5	86.5	86.5	86.6
≥ 1800	12.7	56.3	65.1	71.5	76.6	80.1	83.2	85.4	85.6	86.8	87.2	87.2	87.3	87.3	87.3	87.4
≥ 1500	13.0	57.0	66.4	73.2	78.3	81.9	85.3	87.5	87.8	88.9	89.3	89.3	89.4	89.4	89.4	89.5
≥ 1200	13.0	58.1	66.9	73.8	79.0	82.5	86.1	88.4	88.7	89.9	90.3	90.3	90.4	90.4	90.4	90.6
≥ 1000	13.0	58.8	67.6	74.4	79.7	83.2	86.9	89.3	89.5	90.9	91.3	91.3	91.4	91.4	91.4	91.6
≥ 900	13.0	59.2	68.1	75.2	80.5	84.0	87.7	90.1	90.3	91.7	92.1	92.1	92.2	92.2	92.2	92.3
≥ 800	13.0	59.2	68.1	75.4	80.9	84.4	88.2	90.6	90.8	92.2	92.6	92.6	92.7	92.7	92.7	92.8
≥ 700	13.0	59.3	68.3	75.8	81.5	85.0	89.3	91.7	91.9	93.3	93.7	93.7	93.8	93.8	93.8	94.0
≥ 600	13.0	59.4	68.6	76.6	82.2	86.5	90.9	93.3	93.7	95.1	95.5	95.5	95.6	95.6	95.6	95.7
≥ 500	13.0	59.7	69.0	77.3	83.2	87.8	92.2	94.8	95.2	96.6	97.0	97.0	97.1	97.1	97.1	97.2
≥ 400	13.0	59.7	69.0	77.3	83.4	87.7	92.6	95.7	96.1	97.5	97.9	97.9	98.0	98.0	98.0	98.1
≥ 300	13.0	59.7	69.0	77.3	83.8	87.7	92.6	96.0	96.3	98.1	98.5	98.5	98.6	98.6	98.6	98.7
≥ 200	13.0	59.7	69.0	77.3	83.5	87.8	92.7	96.1	96.3	98.2	98.6	98.6	98.6	99.1	99.1	99.2
≥ 100	13.0	59.7	69.0	77.3	83.5	87.8	92.7	96.1	96.5	98.2	98.6	98.6	99.1	99.1	99.2	99.4
≥ 0	13.0	59.7	69.0	77.3	83.5	87.8	92.7	96.1	96.5	98.2	98.6	98.6	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	15.3	43.9	45.9	47.3	48.7	49.4	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	17.7	51.4	54.0	56.0	58.2	59.0	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 18000	17.7	51.4	54.0	56.0	58.2	59.0	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 16000	17.7	51.4	54.0	56.0	58.2	59.0	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 14000	17.7	51.7	54.2	56.3	58.6	59.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 12000	17.7	52.8	55.6	57.8	60.9	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	18.2	55.0	58.1	60.6	63.7	64.9	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	18.2	55.2	58.5	61.0	64.1	65.2	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	18.7	56.5	59.8	62.5	65.6	66.8	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 7000	18.9	57.5	61.0	63.6	66.9	68.0	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	19.1	57.7	61.2	63.9	67.1	68.3	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	19.3	58.8	62.4	65.2	68.9	70.0	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	19.7	60.2	64.0	66.9	70.5	71.8	72.6	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	19.7	60.5	64.4	67.3	70.9	72.1	73.1	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	20.1	61.7	65.6	68.6	73.0	74.3	75.4	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	20.4	63.4	67.4	70.9	75.4	76.7	77.8	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	21.2	65.6	69.6	73.1	77.8	79.0	80.3	80.8	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2000	22.1	69.1	73.1	76.7	81.7	82.9	84.2	84.7	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	22.1	69.6	73.6	77.3	82.3	83.6	84.9	85.4	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	22.3	71.6	76.4	80.1	85.4	86.8	88.5	89.0	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	22.6	73.5	78.3	82.1	88.0	89.5	91.1	91.6	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	22.6	74.6	80.1	84.1	90.5	92.1	93.7	94.4	94.5	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	22.6	75.2	80.4	84.6	91.0	92.6	94.2	94.9	95.0	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	22.6	75.3	80.6	84.9	91.6	93.3	95.1	95.7	95.9	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	22.6	75.3	80.7	85.1	92.0	93.9	95.6	96.2	96.4	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	22.6	75.4	80.9	85.4	92.6	94.5	96.5	97.2	97.5	98.2	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	22.6	75.4	80.9	86.2	93.8	94.7	96.7	97.6	97.9	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	22.6	75.4	80.9	86.2	93.8	95.0	97.0	98.1	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	22.6	75.4	80.9	86.2	93.8	95.0	97.0	98.1	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	22.6	75.4	80.9	86.2	93.8	95.0	97.0	98.1	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	22.6	75.4	80.9	86.2	93.8	95.0	97.0	98.1	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	22.6	75.4	80.9	86.2	93.8	95.0	97.0	98.1	98.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	19.3	38.1	39.9	40.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	21.9	46.5	49.2	50.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	21.9	46.5	49.2	50.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	21.9	46.5	49.2	50.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	21.9	46.5	49.4	50.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	22.1	48.1	51.1	52.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	22.7	50.9	54.3	55.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	22.9	51.4	54.8	56.5	57.9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	23.6	52.6	56.0	58.2	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	23.6	53.3	56.7	58.8	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 6000	23.6	53.9	57.2	59.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	23.9	55.3	58.9	61.3	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 4500	24.4	57.0	61.1	63.0	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 4000	24.7	57.9	61.6	64.3	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3500	26.9	61.2	65.6	68.6	70.2	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	29.0	68.2	72.9	76.3	78.1	78.9	79.0	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	30.3	72.1	77.5	81.3	83.3	84.0	84.2	84.3	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	30.4	75.6	81.5	86.3	88.4	89.3	89.6	89.8	89.8	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	30.4	76.1	82.0	86.9	89.1	89.9	90.5	90.7	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	30.7	78.6	85.2	90.1	93.0	93.8	94.5	94.7	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	30.8	79.4	86.2	91.7	94.8	95.5	96.2	96.5	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	30.8	79.6	86.9	92.8	95.9	96.4	97.2	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	30.8	79.8	86.9	92.9	95.9	96.4	97.2	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	30.8	79.8	87.1	92.8	95.7	96.6	97.5	97.7	97.7	98.2	98.5	98.5	98.6	98.6	98.6	98.6
≥ 700	30.8	79.8	87.1	92.8	95.7	96.9	97.7	98.0	98.0	98.5	98.7	98.7	98.9	98.9	98.9	98.9
≥ 600	30.8	79.8	87.2	92.8	96.0	97.1	98.0	98.2	98.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	30.8	79.8	87.3	93.0	96.1	97.2	98.1	98.6	98.6	99.2	99.5	99.5	99.6	99.6	99.6	99.6
≥ 400	30.8	79.8	87.3	93.0	96.1	97.2	98.1	98.6	98.6	99.2	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	30.8	79.8	87.3	93.0	96.1	97.2	98.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	30.8	79.8	87.3	93.0	96.1	97.2	98.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	30.8	79.8	87.3	93.0	96.1	97.2	98.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	30.8	79.8	87.3	93.0	96.1	97.2	98.2	98.9	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	20.6	40.7	42.1	42.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	23.5	49.9	52.3	53.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	23.5	49.9	52.3	53.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000	23.5	49.9	52.3	53.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	23.5	49.9	52.5	53.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	24.7	52.5	55.1	55.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	25.2	54.9	57.8	58.4	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 9000	25.2	55.1	58.0	58.6	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 8000	25.6	55.7	58.9	59.6	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	25.6	56.2	59.5	60.3	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	25.7	56.5	60.0	60.8	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000	26.7	60.2	63.7	64.6	66.3	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	27.9	62.8	66.3	67.6	69.5	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	28.4	64.4	68.1	69.9	71.8	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	30.5	69.1	73.0	75.2	77.0	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	31.8	73.9	78.4	81.1	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	32.4	77.8	83.0	86.0	88.8	89.0	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	32.4	80.2	86.3	90.4	93.2	93.6	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	32.4	80.2	86.5	90.8	93.7	94.1	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	32.4	80.8	87.3	91.9	94.8	95.2	95.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	32.4	81.5	88.0	92.8	95.7	96.1	96.5	96.7	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	32.4	81.6	88.3	93.1	96.5	97.0	97.5	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	32.4	81.6	88.3	93.1	96.5	97.1	97.6	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	32.4	81.6	88.3	93.3	96.7	97.4	97.9	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	32.4	81.7	88.4	93.6	97.2	97.9	98.3	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	32.4	81.7	88.4	93.6	97.2	97.9	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	32.4	81.8	88.5	93.8	97.3	98.1	98.9	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	32.4	81.8	88.7	93.9	97.6	98.2	99.1	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	32.4	81.8	88.7	93.9	97.6	98.2	99.1	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	32.4	81.8	88.7	93.9	97.6	98.2	99.1	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	32.4	81.8	88.7	93.9	97.6	98.2	99.1	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	32.4	81.8	88.7	93.9	97.6	98.2	99.1	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512	≥1/1024	≥0
NO CEILING	27.9	42.4	45.3	46.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	32.2	51.1	55.2	58.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
N 18000	32.2	51.1	55.2	58.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
N 16000	32.2	51.1	55.2	58.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
N 14000	32.9	51.7	56.0	59.0	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
N 12000	34.1	53.2	57.6	60.8	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
N 10000	37.0	57.5	62.6	66.0	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
N 9000	37.0	58.2	63.2	66.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
N 8000	37.4	59.8	65.2	68.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
N 7000	37.9	60.2	65.6	69.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
N 6000	38.3	61.6	67.4	71.2	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
N 5000	39.2	65.2	71.3	75.3	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
N 4500	40.3	67.1	73.5	77.5	80.5	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
N 4000	41.3	69.5	76.5	81.5	85.1	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
N 3500	41.6	70.9	78.3	83.3	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
N 3000	41.8	73.2	80.7	86.1	90.3	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
N 2500	42.0	74.0	81.5	87.4	91.7	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
N 2000	42.2	74.8	82.7	88.5	92.8	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
N 1800	42.2	75.0	82.8	88.7	93.2	93.7	93.9	93.9	93.9	93.9	94.2	94.2	94.2	94.3	94.3	94.3
N 1500	42.4	75.5	83.6	89.8	94.6	95.2	95.4	95.4	95.4	95.4	95.7	95.7	95.7	95.8	95.8	95.8
N 1200	42.4	75.6	83.9	90.3	95.1	96.0	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.7	96.7	96.7
N 1000	42.4	75.9	84.5	90.9	95.8	96.7	97.1	97.2	97.2	97.2	97.5	97.5	97.5	97.7	97.7	97.7
N 900	42.4	75.9	84.6	91.0	96.0	96.8	97.2	97.3	97.3	97.3	97.6	97.6	97.6	97.9	97.9	97.9
N 800	42.4	75.9	84.8	91.4	96.3	97.3	97.9	98.0	98.0	98.0	98.2	98.4	98.4	98.6	98.6	98.6
N 700	42.4	76.0	85.0	91.8	96.5	97.5	98.1	98.2	98.2	98.3	98.6	98.6	98.6	98.9	98.9	98.9
N 600	42.4	76.0	85.1	91.7	96.7	97.9	98.5	98.7	98.7	99.0	99.1	99.1	99.4	99.4	99.4	99.4
N 500	42.4	76.0	85.2	91.8	97.0	98.2	99.0	99.2	99.2	99.3	99.6	99.6	99.6	99.9	99.9	99.9
N 400	42.4	76.0	85.2	91.8	97.1	98.4	99.1	99.4	99.4	99.6	99.7	99.7	99.7	100.0	100.0	100.0
N 300	42.4	76.0	85.2	91.8	97.1	98.4	99.1	99.4	99.4	99.6	99.7	99.7	99.7	100.0	100.0	100.0
N 200	42.4	76.0	85.2	91.8	97.1	98.4	99.1	99.4	99.4	99.6	99.7	99.7	99.7	100.0	100.0	100.0
N 100	42.4	76.0	85.2	91.8	97.1	98.4	99.1	99.4	99.4	99.6	99.7	99.7	99.7	100.0	100.0	100.0
N 0	42.4	76.0	85.2	91.8	97.1	98.4	99.1	99.4	99.4	99.6	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 791

USAF ETAC 6-14-8 (OL A) FIGURES SHOWN ON THIS FORM ARE OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	53.4	47.7	52.1	56.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	35.8	53.6	58.8	64.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 18000	35.8	53.6	58.8	64.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	35.8	53.8	58.9	64.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 14000	35.9	53.9	59.0	65.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 12000	36.9	55.0	60.6	66.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 10000	39.7	59.0	65.7	72.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	39.8	59.2	65.8	72.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	40.7	60.4	67.2	73.9	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	41.1	61.3	68.1	74.9	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	42.0	63.1	70.7	77.8	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 5000	43.3	67.1	76.0	83.7	85.7	85.8	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	43.6	68.0	76.9	84.5	86.6	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	44.1	68.7	78.0	86.1	88.3	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3500	44.1	69.2	78.9	87.1	89.6	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	44.1	69.7	79.5	87.8	90.3	90.6	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	44.2	70.6	80.5	89.2	91.7	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	45.1	71.7	81.7	90.3	92.8	93.1	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	45.1	71.9	81.8	90.6	93.1	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	45.6	72.4	82.3	91.1	93.6	93.8	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	45.7	72.7	82.7	91.7	94.2	94.5	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	45.7	72.7	83.2	92.2	94.7	95.0	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	45.7	72.7	83.2	92.2	94.7	95.0	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	45.7	73.0	83.8	93.0	95.7	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	45.7	73.1	84.2	93.5	96.2	96.5	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	45.7	73.2	84.4	94.1	96.9	97.1	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	45.9	73.6	84.9	95.0	97.9	98.1	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	45.9	73.6	85.2	95.2	98.1	98.4	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	45.9	73.6	85.2	95.4	98.2	98.5	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	45.9	73.6	85.2	95.4	98.2	98.5	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	45.9	73.6	85.2	95.4	98.2	98.5	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	45.9	73.6	85.2	95.4	98.2	98.5	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246 MANSFIELD LAHM MAP OH

73-81

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	23.7	43.5	46.5	48.8	50.2	50.5	50.9	51.3	51.3	51.1	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	25.9	49.5	53.5	56.5	58.3	58.8	59.1	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
≥ 18000	25.9	49.6	53.5	56.6	58.3	58.8	59.2	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 16000	25.9	49.6	53.5	56.6	58.4	58.8	59.2	59.3	59.3	59.4	59.5	59.5	59.6	59.6	59.6	59.6
≥ 14000	26.1	49.9	53.9	57.1	59.0	59.5	59.8	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2
≥ 12000	26.7	51.2	55.5	58.9	60.9	61.4	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.2	62.2	62.2
≥ 10000	28.2	54.5	59.2	63.0	65.2	65.8	66.2	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7
≥ 9000	28.2	54.8	59.7	63.6	65.8	66.3	66.8	67.0	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3
≥ 8000	28.7	55.9	60.9	64.9	67.1	67.7	68.2	68.4	68.4	68.5	68.6	68.6	68.7	68.7	68.7	68.7
≥ 7000	28.8	56.5	61.5	65.6	67.9	68.5	69.0	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.5
≥ 6000	29.2	57.4	62.6	66.9	69.2	69.8	70.3	70.6	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8
≥ 5000	30.1	60.3	65.9	70.4	73.0	73.8	74.4	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.0
≥ 4500	30.6	61.7	67.4	72.1	74.9	75.6	76.4	76.7	76.7	76.9	77.0	77.0	77.1	77.1	77.1	77.1
≥ 4000	30.9	62.6	68.6	73.6	76.6	77.4	78.2	78.5	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9
≥ 3500	31.7	64.5	70.7	75.8	79.0	79.9	80.8	81.1	81.2	81.4	81.5	81.5	81.6	81.6	81.6	81.6
≥ 3000	32.3	66.9	73.4	78.8	82.4	83.3	84.2	84.6	84.6	84.9	85.0	85.0	85.1	85.1	85.1	85.1
≥ 2500	32.7	68.7	75.5	81.1	84.8	85.8	86.7	87.1	87.2	87.5	87.7	87.7	87.8	87.8	87.8	87.8
≥ 2000	33.1	70.4	77.5	83.5	87.3	88.3	89.3	89.7	89.8	90.2	90.3	90.3	90.4	90.4	90.4	90.4
≥ 1800	33.1	70.7	77.9	83.9	87.8	88.7	89.8	90.3	90.3	90.7	90.8	90.8	90.9	90.9	90.9	91.0
≥ 1500	33.4	71.8	79.2	85.5	89.5	90.6	91.7	92.2	92.3	92.7	92.8	92.8	92.9	92.9	92.9	93.0
≥ 1200	33.5	72.5	80.0	86.4	90.5	91.6	92.8	93.4	93.4	93.8	94.0	94.0	94.1	94.1	94.1	94.1
≥ 1000	33.6	72.9	80.8	87.3	91.7	92.8	94.1	94.6	94.7	95.1	95.3	95.3	95.4	95.4	95.4	95.4
≥ 900	33.6	73.0	81.0	87.5	91.9	93.0	94.3	94.8	94.9	95.3	95.5	95.5	95.6	95.6	95.6	95.6
≥ 800	33.6	73.2	81.3	88.0	92.5	93.7	95.1	95.6	95.7	96.2	96.4	96.4	96.5	96.5	96.5	96.5
≥ 700	33.6	73.3	81.5	88.3	92.9	94.1	95.6	96.1	96.2	96.7	96.9	96.9	97.0	97.0	97.0	97.0
≥ 600	33.6	73.4	81.7	88.7	93.3	94.7	96.2	96.8	96.9	97.4	97.6	97.6	97.7	97.7	97.7	97.8
≥ 500	33.7	73.6	82.1	89.3	94.1	95.5	97.1	97.8	97.9	98.4	98.6	98.6	98.7	98.7	98.7	98.7
≥ 400	33.7	73.6	82.1	89.4	94.2	95.7	97.3	98.2	98.3	98.9	99.0	99.0	99.2	99.2	99.2	99.2
≥ 300	33.7	73.6	82.1	89.4	94.3	95.7	97.4	98.3	98.4	99.1	99.3	99.3	99.4	99.4	99.4	99.5
≥ 200	33.7	73.6	82.1	89.4	94.3	95.7	97.4	98.3	98.4	99.2	99.4	99.4	99.7	99.7	99.7	99.7
≥ 100	33.7	73.6	82.1	89.4	94.3	95.7	97.4	98.3	98.4	99.2	99.4	99.4	99.7	99.7	99.8	99.8
≥ 0	33.7	73.6	82.1	89.4	94.3	95.7	97.4	98.3	98.4	99.2	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6361

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

700246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥0
NO CEILING	34.8	52.9	58.7	60.7	63.2	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.0
≥ 20000	35.8	55.1	61.4	64.0	67.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 18000	35.8	55.1	61.4	64.0	67.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 16000	35.8	55.1	61.4	64.0	67.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 14000	36.4	56.0	62.5	65.4	69.4	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.1	71.1
≥ 12000	36.5	56.4	63.1	66.1	70.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
≥ 10000	38.7	61.3	68.5	72.0	76.3	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3	78.3
≥ 9000	38.7	61.3	68.5	72.0	76.3	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.3	76.3
≥ 8000	38.8	62.5	69.8	73.4	77.9	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9
≥ 7000	39.4	63.7	71.1	74.6	79.1	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
≥ 6000	40.2	64.8	72.5	76.2	81.0	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9
≥ 5000	42.1	68.1	76.1	80.3	85.5	86.8	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.7	87.7	87.7
≥ 4500	42.1	68.1	76.2	80.5	85.6	86.9	87.5	87.5	87.5	87.7	87.8	87.8	87.8	87.9	87.9	87.9
≥ 4000	42.1	68.5	76.7	81.2	86.7	88.2	88.8	88.9	88.9	89.0	89.3	89.3	89.3	89.4	89.4	89.4
≥ 3500	42.2	68.6	76.8	81.6	87.1	88.5	89.1	89.3	89.3	89.4	89.6	89.6	89.6	89.7	89.7	89.7
≥ 3000	42.5	69.0	77.4	82.2	87.7	89.1	89.7	89.9	89.9	90.0	90.2	90.2	90.4	90.4	90.4	90.4
≥ 2500	42.6	69.7	78.3	83.2	89.0	90.5	91.1	91.2	91.2	91.3	91.6	91.6	91.7	91.7	91.7	91.7
≥ 2000	43.7	71.3	80.2	85.2	91.5	92.9	93.5	93.7	93.7	93.8	94.0	94.0	94.1	94.1	94.1	94.1
≥ 1800	43.7	71.3	80.2	85.2	91.5	92.9	93.5	93.7	93.7	93.8	94.0	94.0	94.1	94.1	94.1	94.1
≥ 1500	43.7	71.3	80.3	85.3	91.8	93.3	93.9	94.0	94.0	94.1	94.4	94.4	94.5	94.5	94.5	94.5
≥ 1200	43.7	71.6	80.6	85.7	92.1	93.5	94.1	94.3	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.7
≥ 1000	43.8	71.9	81.1	86.2	92.7	94.1	94.7	94.9	94.9	95.1	95.4	95.4	95.5	95.5	95.5	95.5
≥ 900	43.8	72.2	81.3	86.4	92.9	94.4	95.0	95.1	95.1	95.4	95.6	95.6	95.7	95.7	95.7	95.7
≥ 800	43.8	72.3	81.7	87.2	93.7	95.1	95.7	96.0	96.0	96.3	96.6	96.6	96.7	96.7	96.7	96.7
≥ 700	44.0	72.5	81.9	87.5	94.1	95.6	96.2	96.5	96.5	96.8	97.1	97.1	97.2	97.2	97.2	97.2
≥ 600	44.0	72.6	82.1	87.9	94.6	96.1	96.7	96.9	96.9	97.3	97.6	97.6	97.7	97.7	97.7	97.7
≥ 500	44.0	72.6	82.1	87.9	95.0	96.5	97.1	97.3	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.0
≥ 400	44.0	72.6	82.1	87.9	95.0	96.5	97.2	98.2	98.2	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 300	44.0	72.6	82.1	87.9	95.0	96.5	97.2	98.2	98.2	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 200	44.0	72.6	82.1	87.9	95.0	96.5	97.3	98.3	98.3	98.9	99.1	99.1	99.3	99.4	99.4	99.4
≥ 100	44.0	72.6	82.1	87.9	95.0	96.5	97.3	98.3	98.3	98.9	99.1	99.1	99.3	99.5	99.8	99.9
≥ 0	44.0	72.6	82.1	87.9	95.0	96.5	97.3	98.3	98.3	98.9	99.1	99.1	99.3	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

819

USAF ETAC

FORM
AA 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 MANSFIELD LAHM MAP OH

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	≥½	≥0
NO CEILING	23.1	43.6	49.1	52.7	55.6	57.6	59.2	59.5	59.8	60.5	60.6	60.6	60.6	60.6	60.8	60.8
≥ 20000	24.1	46.7	52.3	56.5	59.9	62.0	63.7	64.2	64.4	65.3	65.4	65.4	65.4	65.4	65.5	65.5
≥ 18000	24.1	46.7	52.3	56.5	59.9	62.0	63.7	64.2	64.4	65.3	65.4	65.4	65.4	65.4	65.5	65.5
≥ 16000	24.1	46.7	52.3	56.5	59.9	62.0	63.7	64.2	64.4	65.3	65.4	65.4	65.4	65.4	65.5	65.5
≥ 14000	24.4	47.2	52.9	57.3	61.1	63.2	65.0	65.5	65.8	66.6	66.7	66.7	66.7	66.7	66.9	66.9
≥ 12000	24.8	47.9	53.8	58.2	62.1	64.2	66.0	66.5	66.7	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 10000	26.7	52.1	58.2	63.0	67.2	69.6	71.5	72.0	72.2	73.5	73.7	73.7	73.7	73.7	73.8	73.8
≥ 9000	26.7	52.2	58.3	63.1	67.5	69.8	71.8	72.2	72.5	73.7	74.0	74.0	74.0	74.0	74.1	74.1
≥ 8000	26.7	52.6	58.7	63.4	68.0	70.4	72.9	73.3	73.6	74.8	75.1	75.1	75.1	75.1	75.2	75.2
≥ 7000	26.8	52.9	59.0	63.8	68.3	71.0	73.6	74.1	74.3	75.6	75.8	75.8	75.8	75.8	75.9	75.9
≥ 6000	26.9	53.2	59.7	64.5	69.3	72.0	74.6	75.1	75.3	76.5	76.8	76.8	76.8	76.8	76.9	76.9
≥ 5000	28.1	56.1	62.8	68.0	73.5	76.2	78.9	79.3	79.6	80.9	81.2	81.2	81.2	81.2	81.3	81.3
≥ 4500	28.2	56.6	63.3	68.5	74.0	76.7	79.5	80.0	80.2	81.5	81.8	81.8	81.8	81.8	81.9	81.9
≥ 4000	28.6	57.3	64.2	69.4	75.2	78.0	80.9	81.4	81.7	83.0	83.3	83.3	83.3	83.3	83.4	83.4
≥ 3500	28.6	57.5	64.3	69.9	75.7	78.5	81.4	81.9	82.2	83.5	83.7	83.7	83.7	83.7	83.9	83.9
≥ 3000	29.3	58.6	65.4	71.0	76.8	79.7	82.8	83.3	83.5	85.1	85.3	85.3	85.3	85.3	85.5	85.5
≥ 2500	29.7	59.4	66.3	72.1	78.2	81.3	84.5	85.0	85.2	87.0	87.3	87.3	87.3	87.3	87.4	87.4
≥ 2000	30.3	60.4	67.4	73.6	80.1	83.1	86.3	86.8	87.0	88.9	89.1	89.1	89.1	89.1	89.2	89.2
≥ 1800	30.3	60.4	67.4	73.6	80.1	83.1	86.3	86.8	87.0	88.9	89.1	89.1	89.1	89.1	89.2	89.2
≥ 1500	30.3	60.8	68.0	74.2	80.8	83.9	87.2	87.7	87.9	89.9	90.1	90.1	90.1	90.1	90.2	90.2
≥ 1200	30.3	60.9	68.1	74.4	81.1	84.2	87.7	88.1	88.4	90.3	90.6	90.6	90.6	90.6	90.7	90.7
≥ 1000	30.7	61.6	68.8	75.6	82.5	85.7	89.1	89.6	89.9	91.8	92.1	92.1	92.1	92.1	92.3	92.3
≥ 900	30.8	61.9	69.1	75.9	82.9	86.2	89.6	90.1	90.3	92.3	92.5	92.5	92.5	92.5	92.7	92.8
≥ 800	30.8	62.2	69.4	76.3	83.5	86.8	90.3	90.8	91.1	93.0	93.3	93.3	93.3	93.3	93.5	93.5
≥ 700	30.9	63.0	70.2	77.5	84.7	88.3	91.9	92.5	92.8	94.7	95.0	95.0	95.0	95.0	95.1	95.2
≥ 600	30.9	63.3	70.9	78.2	85.6	89.1	92.8	93.4	93.6	95.6	95.8	95.8	95.8	95.8	96.0	96.1
≥ 500	30.9	63.4	71.0	78.4	85.7	89.2	93.3	94.0	94.3	96.3	96.6	96.6	96.6	96.6	96.7	96.8
≥ 400	30.9	63.4	71.0	78.6	86.2	89.7	93.9	95.0	95.2	97.4	97.8	97.8	97.8	97.8	97.9	98.0
≥ 300	30.9	63.4	71.0	78.6	86.2	89.7	93.9	95.0	95.2	97.4	97.9	97.9	97.9	97.9	98.0	98.3
≥ 200	30.9	63.4	71.0	78.6	86.2	89.7	94.0	95.2	95.5	97.8	98.4	98.4	98.4	98.4	98.5	98.9
≥ 100	30.9	63.4	71.0	78.6	86.2	89.7	94.0	95.2	95.5	97.8	98.4	98.4	98.4	98.4	98.5	99.6
≥ 0	30.9	63.4	71.0	78.6	86.2	89.7	94.0	95.2	95.5	97.8	98.4	98.4	98.4	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 818

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	8.2	36.9	42.2	45.0	49.8	51.0	53.3	54.8	55.0	56.2	56.4	56.4	56.5	56.5	56.5	56.5
≥ 20000	8.3	39.6	44.9	48.0	53.7	55.3	58.3	60.1	60.4	62.1	62.3	62.3	62.5	62.5	62.5	62.5
≥ 18000	8.3	39.6	44.9	48.0	53.7	55.3	58.3	60.1	60.4	62.1	62.3	62.3	62.5	62.5	62.5	62.5
≥ 16000	8.3	39.6	44.9	48.0	53.7	55.3	58.3	60.1	60.4	62.1	62.3	62.3	62.5	62.5	62.5	62.5
≥ 14000	8.3	39.6	45.1	48.3	53.9	55.5	58.6	60.6	60.9	62.6	62.8	62.8	63.0	63.0	63.0	63.0
≥ 12000	8.3	40.1	45.7	49.0	55.0	56.8	60.3	62.6	62.8	64.8	65.0	65.0	65.2	65.2	65.2	65.2
≥ 10000	8.7	42.8	49.0	52.3	58.6	60.6	64.4	66.7	67.1	69.3	69.6	69.6	69.7	69.7	69.7	69.7
≥ 9000	8.7	43.5	49.9	53.2	59.4	61.5	65.4	67.7	68.1	70.3	70.5	70.5	70.7	70.7	70.7	70.7
≥ 8000	8.7	43.8	50.1	53.4	59.7	61.7	65.9	68.2	68.6	70.9	71.1	71.1	71.3	71.3	71.3	71.3
≥ 7000	8.7	43.8	50.2	53.7	59.9	62.1	66.3	68.7	69.1	71.4	71.6	71.6	71.8	71.8	71.8	71.8
≥ 6000	8.9	44.1	50.6	54.0	60.4	62.6	66.7	69.2	69.6	71.9	72.1	72.1	72.2	72.2	72.2	72.2
≥ 5000	9.0	45.4	51.8	55.5	62.2	64.8	69.2	71.6	72.0	74.3	74.6	74.6	74.7	74.7	74.7	74.7
≥ 4500	9.0	46.2	52.7	56.7	63.7	66.5	71.0	73.5	73.8	76.2	76.4	76.4	76.5	76.5	76.5	76.5
≥ 4000	9.0	46.3	52.8	56.8	63.9	66.7	71.3	73.7	74.1	76.4	76.7	76.7	76.8	76.8	76.8	76.8
≥ 3500	9.0	47.1	53.5	57.7	64.9	67.7	72.2	75.1	75.4	77.8	78.0	78.0	78.1	78.1	78.1	78.1
≥ 3000	9.2	47.8	54.5	58.8	66.0	68.8	73.3	76.2	76.5	79.0	79.3	79.3	79.5	79.5	79.5	79.5
≥ 2500	9.5	48.9	55.6	60.1	68.0	70.9	76.0	78.9	79.2	81.7	82.0	82.0	82.4	82.4	82.4	82.4
≥ 2000	9.8	49.6	56.6	61.2	69.1	72.0	77.3	80.1	80.4	82.9	83.3	83.3	83.6	83.6	83.6	83.6
≥ 1800	9.9	49.8	56.7	61.4	69.2	72.1	77.4	80.2	80.6	83.0	83.4	83.4	83.7	83.7	83.7	83.7
≥ 1500	10.0	50.7	57.8	62.6	70.5	73.7	79.1	81.9	82.3	84.7	85.1	85.1	85.5	85.5	85.5	85.5
≥ 1200	10.4	51.2	58.4	63.4	71.4	74.7	80.1	82.9	83.3	85.7	86.1	86.1	86.4	86.4	86.4	86.4
≥ 1000	10.5	51.6	58.9	64.1	72.1	75.7	81.2	84.2	84.6	87.0	87.4	87.4	87.8	87.8	87.8	87.8
≥ 900	10.5	51.8	59.3	64.4	72.5	76.0	81.7	84.7	85.1	87.5	87.9	87.9	88.3	88.3	88.3	88.3
≥ 800	10.5	52.0	59.4	64.9	73.1	76.7	82.4	85.5	85.8	88.3	88.6	88.6	89.0	89.0	89.0	89.0
≥ 700	10.6	52.1	59.8	65.6	74.0	77.6	83.5	86.7	87.0	89.6	90.0	90.0	90.3	90.3	90.5	90.5
≥ 600	10.6	52.4	60.6	66.9	75.4	79.3	85.6	89.1	89.6	92.3	92.7	92.7	93.0	93.0	93.2	93.2
≥ 500	10.6	52.7	60.8	67.2	76.0	80.0	86.3	90.3	91.0	93.8	94.5	94.5	94.9	94.9	95.0	95.0
≥ 400	10.6	52.7	60.8	67.2	76.0	80.0	86.7	91.3	91.9	95.1	96.1	96.1	96.7	96.7	96.8	96.8
≥ 300	10.6	52.7	60.8	67.2	76.0	80.0	86.7	91.4	92.1	95.7	96.7	96.7	97.4	97.4	97.6	97.6
≥ 200	10.6	52.7	60.8	67.2	76.0	80.0	86.7	91.4	92.1	95.8	96.9	96.9	97.8	97.8	97.9	98.4
≥ 100	10.6	52.7	60.8	67.2	76.0	80.0	86.7	91.4	92.1	95.8	97.1	97.1	98.3	98.4	98.5	99.5
≥ 0	10.6	52.7	60.8	67.2	76.0	80.0	86.7	91.4	92.1	95.8	97.1	97.1	98.3	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246 MANSFIELD LAHM MAP OH

73-81

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	13.9	44.8	48.4	50.9	52.8	54.2	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	15.4	48.7	52.6	56.0	58.9	60.5	61.2	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	15.4	48.7	52.6	56.0	58.9	60.5	61.2	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8
≥ 16000	15.4	48.7	52.6	56.0	58.9	60.5	61.2	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000	15.4	48.7	52.6	56.4	59.6	61.3	62.1	62.5	62.5	62.7	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	15.4	50.1	54.2	58.1	61.5	63.2	63.9	64.5	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	15.8	52.0	56.5	60.6	64.2	65.9	66.8	67.6	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9
≥ 9000	15.8	52.0	56.5	60.6	64.2	66.1	66.9	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	15.8	52.4	56.8	61.0	64.7	66.8	67.6	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	16.0	53.2	57.7	61.8	65.6	67.8	68.6	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	16.7	53.2	57.7	61.8	65.6	67.8	68.6	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	16.2	53.9	58.4	62.5	66.5	68.7	69.6	70.4	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	16.2	54.9	59.5	64.1	68.1	70.4	71.5	72.5	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	16.4	55.3	59.9	64.5	68.5	70.8	72.0	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	16.4	56.2	61.0	65.6	69.6	72.1	73.3	74.5	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	17.2	58.5	63.5	68.2	72.2	74.8	76.0	77.2	77.2	77.3	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2500	17.5	60.0	65.3	70.1	74.3	77.0	78.4	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2000	17.8	62.3	68.4	73.6	77.9	80.6	82.1	83.5	83.5	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	18.1	63.3	69.5	74.7	79.2	81.8	83.3	84.7	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	18.5	65.2	71.8	77.3	82.2	85.1	86.7	88.2	88.2	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	18.7	66.1	73.1	79.3	84.7	87.8	89.5	91.2	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	18.7	66.8	74.2	80.5	85.9	89.1	90.9	92.6	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 900	18.7	66.8	74.2	80.6	86.2	89.5	91.4	93.1	93.1	93.5	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	18.7	67.2	74.7	81.3	87.2	90.4	92.4	94.2	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	18.8	67.4	75.4	82.2	88.2	91.6	93.6	95.5	95.5	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	18.8	67.5	75.8	82.5	88.8	92.5	94.5	96.6	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	18.8	67.5	75.9	82.8	89.1	92.8	94.9	97.1	97.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	18.8	67.5	75.9	82.8	89.1	92.8	94.9	97.2	97.2	98.5	98.8	98.8	98.8	98.9	98.9	98.9
≥ 300	18.8	67.5	75.9	82.8	89.1	92.8	94.9	97.5	97.5	98.8	99.3	99.3	99.3	99.5	99.5	99.5
≥ 200	18.8	67.5	75.9	82.8	89.1	92.8	95.0	97.6	97.6	99.0	99.5	99.5	99.6	99.9	99.9	99.9
≥ 100	18.8	67.5	75.9	82.8	89.1	92.8	95.0	97.6	97.6	99.0	99.5	99.5	99.6	99.9	99.9	100.0
≥ 0	18.8	67.5	75.9	82.8	89.1	92.8	95.0	97.6	97.6	99.0	99.5	99.5	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

76246 MANSFIELD LAHM MAP OH

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	16.0	38.0	38.6	39.0	40.3	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	18.2	43.8	45.5	46.2	47.9	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 18000	18.2	43.8	45.5	46.2	47.9	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 16000	18.2	43.8	45.5	46.2	47.9	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	18.2	43.8	45.5	46.2	47.9	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	19.2	46.9	48.9	49.8	51.8	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	19.7	48.0	50.6	51.5	53.9	54.5	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 9000	19.7	48.0	50.6	51.5	53.9	54.5	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000	19.9	48.8	51.3	52.2	54.8	55.4	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 7000	19.9	48.8	51.3	52.2	54.8	55.4	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	19.9	48.8	51.3	52.2	54.8	55.4	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 5000	20.2	50.0	52.9	53.9	56.8	57.6	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4500	20.9	52.7	55.9	57.8	60.4	61.1	61.6	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4000	21.3	54.0	57.2	58.8	62.0	62.8	63.4	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	22.9	57.2	60.4	62.3	65.9	66.7	67.5	67.8	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3000	24.2	63.9	68.2	70.2	74.1	75.1	75.9	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	25.7	70.7	75.4	77.6	81.8	82.9	84.1	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	25.9	73.1	79.2	81.9	86.6	87.7	88.9	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	26.0	74.1	80.2	82.9	87.5	88.6	90.0	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	26.0	74.9	81.8	84.7	90.2	91.3	93.2	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	26.0	75.4	82.5	85.6	91.3	92.4	94.4	95.2	95.2	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	26.0	75.7	83.0	86.3	92.2	93.4	95.4	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	26.0	76.0	83.4	86.7	92.5	93.8	95.8	96.7	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	26.0	76.3	83.6	87.0	92.9	94.1	96.2	97.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	26.0	76.3	83.6	87.0	92.9	94.3	96.5	97.6	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	26.0	76.3	83.7	87.2	93.0	94.4	96.7	97.9	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	26.0	76.3	83.7	87.2	93.0	94.5	96.8	98.2	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	26.0	76.3	83.7	87.2	93.0	94.5	97.1	98.7	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	26.0	76.3	83.7	87.2	93.0	94.5	97.2	98.9	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	26.0	76.3	83.7	87.2	93.0	94.5	97.2	98.9	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	26.0	76.3	83.7	87.2	93.0	94.5	97.2	98.9	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	26.0	76.3	83.7	87.2	93.0	94.5	97.2	98.9	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

770246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	19.0	39.5	40.8	41.5	42.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	23.1	50.0	51.9	53.4	54.8	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	23.1	50.0	51.9	53.4	54.8	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	23.1	50.0	51.9	53.4	54.8	55.3	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	23.1	50.1	52.1	53.5	55.0	55.4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	23.5	52.5	55.1	56.5	58.0	58.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 10000	23.7	54.8	57.4	59.0	60.5	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	23.8	55.0	57.7	59.7	61.3	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	24.0	55.8	58.4	60.3	62.2	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	24.0	56.1	59.2	61.4	63.4	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	24.0	56.1	59.2	61.5	63.9	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	24.1	57.9	61.3	63.7	66.8	67.3	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	24.7	60.5	64.2	66.7	69.9	70.6	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	24.8	61.9	65.5	68.2	71.5	72.3	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3500	26.2	66.8	70.7	73.8	77.7	78.5	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	27.2	72.4	77.0	81.0	85.2	86.0	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	27.5	74.9	80.1	84.9	89.5	90.2	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	27.8	77.2	82.4	87.7	92.4	93.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	27.8	77.5	82.7	87.9	92.7	93.7	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	27.8	78.5	83.7	89.2	94.3	95.3	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	27.8	78.8	84.0	90.0	95.2	96.1	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	27.8	78.9	84.3	90.2	95.4	96.4	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	27.8	78.9	84.3	90.2	95.4	96.4	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	27.8	78.9	84.3	90.3	95.5	96.5	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	27.8	78.9	84.3	90.3	95.5	96.5	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	27.8	78.9	84.3	90.3	95.5	96.5	97.7	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	27.8	78.9	84.3	90.3	95.5	96.5	97.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	27.8	78.9	84.3	90.3	95.5	96.7	98.1	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	27.8	78.9	84.3	90.3	95.5	96.7	98.1	99.2	99.2	99.5	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	27.8	78.9	84.3	90.3	95.5	96.7	98.1	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	27.8	78.9	84.3	90.3	95.5	96.7	98.1	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	27.8	78.9	84.3	90.3	95.5	96.7	98.1	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	28.9	44.1	47.7	49.5	51.7	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	32.1	50.2	55.9	59.4	61.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	32.1	50.2	55.9	59.4	61.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	32.1	50.2	55.9	59.4	61.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 14000	32.1	50.4	56.2	59.0	62.2	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	32.4	52.2	58.5	62.1	64.5	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	34.1	56.7	64.0	68.3	70.9	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	34.1	56.7	64.3	68.7	71.2	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 8000	34.6	58.3	65.9	70.2	72.9	74.1	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 7000	34.6	58.4	66.0	70.7	73.5	74.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	34.9	58.9	66.8	72.0	74.8	76.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	36.1	63.4	71.7	77.7	81.0	82.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4500	36.2	63.7	72.3	78.3	81.7	83.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	37.2	65.5	74.8	81.0	84.6	86.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	37.6	66.5	75.7	82.2	85.9	87.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3000	37.7	67.2	76.7	83.2	87.2	89.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	37.8	68.5	78.0	84.6	88.7	90.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	37.8	69.4	79.3	86.1	90.4	92.4	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	37.8	69.4	79.3	86.1	90.4	92.4	95.0	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	37.8	69.5	79.4	86.2	90.5	92.6	95.1	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	37.8	69.6	79.6	86.5	90.7	92.9	95.5	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	37.9	70.1	80.2	87.2	91.6	93.9	96.7	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	37.9	70.1	80.2	87.2	91.6	93.9	96.7	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	37.9	70.1	80.2	87.3	91.8	94.1	97.2	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	37.9	70.1	80.2	87.3	91.8	94.1	97.2	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	37.9	70.1	80.2	87.3	91.8	94.1	97.2	97.9	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	37.9	70.1	80.2	87.3	91.8	94.1	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	37.9	70.1	80.2	87.4	92.1	94.4	98.0	98.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	37.9	70.1	80.2	87.4	92.1	94.4	98.0	98.8	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	37.9	70.1	80.2	87.4	92.1	94.4	98.0	98.8	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	37.9	70.1	80.2	87.4	92.1	94.4	98.0	98.8	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	37.9	70.1	80.2	87.4	92.1	94.4	98.0	98.8	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.8	57.3	54.7	57.8	60.1	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 20000	36.0	55.0	60.0	64.7	67.7	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	36.0	55.0	60.0	64.7	67.7	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	36.0	55.0	60.0	64.7	67.7	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	36.1	55.7	61.0	66.2	69.2	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 12000	36.1	55.8	61.2	66.7	69.6	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	37.9	59.5	65.6	71.8	76.1	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	37.9	59.5	65.6	71.8	76.1	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000	38.8	60.8	67.2	73.4	78.1	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	39.3	61.3	67.9	74.4	79.1	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000	40.0	62.2	68.9	75.4	80.2	80.8	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	41.6	66.7	73.8	80.9	85.9	86.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4500	41.9	67.0	74.1	81.3	86.3	86.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	42.4	68.4	75.6	83.4	88.6	89.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3500	42.4	68.4	75.6	83.4	89.0	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	42.5	69.2	76.4	84.3	89.7	90.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	42.7	69.4	76.9	85.1	90.8	91.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	43.2	70.1	78.1	86.8	92.3	93.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	43.3	70.3	78.3	87.1	92.7	93.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	43.3	70.5	78.6	87.5	93.0	93.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	43.3	70.6	78.8	87.8	93.4	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	43.3	71.0	79.2	88.2	94.0	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	43.3	71.0	79.2	88.2	94.0	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	43.3	71.0	79.3	88.4	94.2	95.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	43.3	71.0	79.3	88.4	94.2	95.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	43.3	71.1	79.4	88.7	94.6	95.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	43.3	71.2	79.6	88.9	94.7	95.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	43.3	71.4	79.7	89.0	94.9	95.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	43.3	71.4	79.7	89.0	94.9	95.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 200	43.3	71.4	79.7	89.0	94.9	95.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	43.3	71.4	79.7	89.0	94.9	95.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	43.3	71.4	79.7	89.0	94.9	95.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS - 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	22.2	43.8	47.5	49.6	52.0	53.0	53.7	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.4	54.4
≥ 20000	24.4	48.6	53.1	56.0	59.0	60.1	61.0	61.3	61.4	61.7	61.8	61.8	61.8	61.8	61.9	61.9
≥ 18000	24.1	48.6	53.1	56.0	59.0	60.1	61.0	61.3	61.4	61.7	61.8	61.8	61.8	61.8	61.9	61.9
≥ 16000	24.1	48.6	53.1	56.0	59.0	60.1	61.0	61.3	61.4	61.7	61.8	61.8	61.8	61.8	61.9	61.9
≥ 14000	24.2	49.0	53.5	56.7	59.8	60.9	61.9	62.2	62.3	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	24.6	50.2	55.1	58.3	61.6	62.7	63.7	64.2	64.2	64.6	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	25.7	53.4	58.7	62.3	66.0	67.2	68.4	68.9	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	25.7	53.5	58.9	62.6	66.2	67.5	68.7	69.2	69.3	69.7	69.8	69.8	69.9	69.9	69.9	69.9
≥ 8000	25.9	54.3	59.8	63.4	67.3	68.6	69.9	70.4	70.5	70.9	71.0	71.0	71.1	71.1	71.1	71.1
≥ 7000	26.1	54.8	60.4	64.1	68.0	69.5	70.8	71.3	71.4	71.8	71.9	71.9	72.0	72.0	72.0	72.0
≥ 6000	26.3	55.2	60.9	64.8	68.8	70.3	71.6	72.1	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8
≥ 5000	27.2	57.7	63.6	67.8	72.3	73.8	75.3	75.8	75.9	76.4	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	27.4	58.7	64.8	69.2	73.7	75.3	76.9	77.4	77.5	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	27.7	59.7	65.8	70.4	75.1	76.8	78.5	79.1	79.1	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	28.1	61.0	67.3	72.1	77.0	78.7	80.4	81.0	81.1	81.6	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	28.7	63.3	69.9	74.9	79.9	81.6	83.4	84.1	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500	29.1	65.2	72.0	77.3	82.5	84.4	86.4	87.1	87.2	87.8	87.9	87.9	88.0	88.0	88.0	88.0
≥ 2000	29.5	66.7	74.0	79.5	85.0	86.9	89.0	89.7	89.8	90.5	90.6	90.6	90.7	90.7	90.7	90.7
≥ 1800	29.6	67.0	74.3	79.9	85.4	87.3	89.4	90.2	90.2	90.9	91.1	91.1	91.1	91.1	91.2	91.2
≥ 1500	29.7	67.7	75.2	80.9	86.7	88.6	90.9	91.6	91.7	92.5	92.6	92.6	92.7	92.7	92.7	92.7
≥ 1200	29.8	68.0	75.7	81.6	87.5	89.5	91.8	92.6	92.7	93.5	93.6	93.6	93.7	93.7	93.7	93.7
≥ 1000	29.8	68.5	76.2	82.3	88.3	90.4	92.7	93.6	93.7	94.5	94.6	94.6	94.7	94.7	94.7	94.7
≥ 900	29.9	68.6	76.4	82.5	88.5	90.6	93.0	93.9	93.9	94.8	94.9	94.9	95.0	95.0	95.0	95.0
≥ 800	29.9	68.8	76.4	82.9	89.0	91.1	93.4	94.5	94.5	95.4	95.5	95.5	95.6	95.6	95.6	95.6
≥ 700	29.9	68.9	76.8	83.2	89.5	91.6	94.1	95.2	95.2	96.1	96.3	96.3	96.4	96.4	96.4	96.4
≥ 600	29.9	69.1	77.1	83.6	89.9	92.2	94.8	95.9	96.0	96.9	97.1	97.1	97.2	97.2	97.2	97.2
≥ 500	29.9	69.1	77.2	83.8	90.1	92.4	95.1	96.4	96.6	97.6	97.8	97.8	97.9	97.9	97.9	97.9
≥ 400	29.9	69.1	77.2	83.8	90.2	92.5	95.5	97.0	97.1	98.4	98.7	98.7	98.8	98.8	98.9	98.9
≥ 300	29.9	69.1	77.2	83.8	90.2	92.5	95.5	97.1	97.2	98.6	99.0	99.0	99.1	99.1	99.2	99.2
≥ 200	29.9	69.1	77.2	83.8	90.2	92.5	95.5	97.2	97.3	98.8	99.2	99.2	99.4	99.4	99.5	99.6
≥ 100	29.9	69.1	77.2	83.8	90.2	92.5	95.5	97.2	97.3	98.8	99.2	99.2	99.4	99.5	99.6	99.9
≥ 0	29.9	69.1	77.2	83.8	90.2	92.5	95.5	97.7	97.3	98.8	99.2	99.2	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6561

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-9200
HOURS UST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	25.8	42.0	46.7	53.7	58.6	59.5	60.9	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.8	61.8
≥ 20000	26.8	44.4	49.6	56.8	61.7	62.6	64.0	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 18000	26.8	44.4	49.6	56.8	61.7	62.6	64.0	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 16000	26.8	44.4	49.6	56.8	61.7	62.6	64.0	64.5	64.5	64.8	64.8	64.8	64.8	64.8	64.9	64.9
≥ 14000	27.1	45.4	50.8	58.0	63.3	64.3	65.6	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.6	66.6
≥ 12000	27.7	46.2	51.6	58.8	64.1	65.1	66.4	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 10000	28.7	50.5	56.8	64.3	70.1	71.1	72.4	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.4	73.4
≥ 9000	28.7	50.5	56.8	64.3	70.1	71.1	72.4	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.4	73.4
≥ 8000	28.9	51.5	57.9	65.5	71.9	72.8	74.2	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.1	75.1
≥ 7000	29.2	52.7	59.4	67.0	73.4	74.3	75.7	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.6	76.6
≥ 6000	29.2	53.5	60.6	68.5	74.9	75.8	77.2	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.1	78.1
≥ 5000	29.6	56.3	64.7	73.2	80.2	81.1	82.5	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.6	83.6
≥ 4500	29.6	56.4	64.8	73.4	80.3	81.3	82.6	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.7	83.7
≥ 4000	29.8	56.8	65.8	74.6	81.5	82.5	83.8	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.9	84.9
≥ 3500	30.2	57.6	66.6	75.4	82.3	83.3	84.6	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.7	85.7
≥ 3000	30.2	58.3	67.5	76.4	83.6	84.5	85.9	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.1	87.1
≥ 2500	30.2	59.0	68.8	78.1	85.6	86.5	87.9	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.1	89.1
≥ 2000	30.2	59.2	69.7	79.3	87.0	87.9	89.3	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.5	90.5
≥ 1800	30.2	59.2	69.8	79.5	87.1	88.0	89.4	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1500	30.2	59.5	70.2	79.9	87.8	88.7	90.2	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 1200	30.2	60.2	70.9	80.7	88.6	89.5	91.0	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.3	92.3
≥ 1000	30.2	60.3	71.3	81.3	89.1	90.1	91.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	93.1	93.1
≥ 900	30.2	60.3	71.3	81.4	89.3	90.2	91.8	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.2	93.2
≥ 800	30.2	60.3	71.5	81.5	89.4	90.5	92.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.5	93.5
≥ 700	30.2	60.3	71.5	81.5	89.7	90.8	92.4	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.8	93.8
≥ 600	30.2	60.3	71.5	81.6	90.2	91.3	92.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 500	30.2	60.3	71.5	82.1	90.8	92.0	94.2	95.1	95.1	95.7	95.7	95.7	95.7	95.8	95.9	95.9
≥ 400	30.2	60.3	71.5	82.3	91.3	92.7	95.1	96.3	96.3	96.9	97.0	97.0	97.0	97.1	97.3	97.3
≥ 300	30.2	60.3	71.5	82.3	91.4	92.9	95.5	96.7	96.7	97.3	97.3	97.3	97.3	97.6	97.7	97.7
≥ 200	30.2	60.3	71.5	82.3	91.4	92.9	95.5	96.7	96.7	97.7	97.7	97.7	97.7	98.1	98.4	98.4
≥ 100	30.2	60.3	71.5	82.3	91.4	92.9	95.5	96.7	96.7	98.0	98.1	98.1	98.1	98.9	99.3	99.5
≥ 0	30.2	60.3	71.5	82.3	91.4	92.9	95.7	96.9	96.9	98.1	98.2	98.2	98.2	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	17.9	35.1	39.0	45.4	50.6	52.1	54.1	54.5	54.5	54.9	54.9	54.9	55.4	55.4	55.6	55.6
≥ 20000	18.8	37.7	42.2	49.1	54.2	55.7	57.9	58.4	58.4	58.8	58.8	58.8	59.3	59.3	59.5	59.5
≥ 18000	18.8	37.7	42.2	49.1	54.2	55.7	57.9	58.4	58.4	58.8	58.8	58.8	59.3	59.3	59.5	59.5
≥ 16000	18.8	37.7	42.2	49.1	54.2	55.7	57.9	58.4	58.4	58.8	58.8	58.8	59.3	59.3	59.5	59.5
≥ 14000	18.8	37.7	42.2	49.1	54.2	55.7	57.9	58.4	58.4	58.8	58.8	58.8	59.3	59.3	59.5	59.5
≥ 12000	19.4	38.8	43.6	50.7	55.9	57.5	59.6	60.2	60.2	60.5	60.5	60.5	61.0	61.0	61.3	61.3
≥ 10000	20.4	42.4	48.2	55.9	61.3	62.9	65.3	65.8	65.8	66.2	66.2	66.2	66.7	66.7	67.0	67.0
≥ 9000	20.4	42.4	48.2	55.9	61.3	62.9	65.3	65.8	65.8	66.2	66.2	66.2	66.7	66.7	67.0	67.0
≥ 8000	20.6	43.0	48.9	56.7	62.7	64.3	67.0	67.5	67.5	67.8	67.8	67.8	68.3	68.3	68.6	68.6
≥ 7000	20.7	43.4	49.4	57.3	63.2	64.8	67.5	68.0	68.0	68.3	68.3	68.3	68.9	68.9	69.1	69.1
≥ 6000	20.8	44.0	50.1	57.9	63.8	65.4	68.1	68.6	68.6	69.0	69.0	69.0	69.5	69.5	69.7	69.7
≥ 5000	21.3	45.5	52.7	61.7	68.2	69.9	72.5	73.0	73.0	73.4	73.4	73.4	73.9	73.9	74.1	74.1
≥ 4500	21.6	45.8	53.2	62.8	69.6	71.2	73.9	74.4	74.4	74.8	74.8	74.8	75.3	75.3	75.5	75.5
≥ 4000	21.6	46.5	54.1	63.8	71.1	72.8	75.4	75.9	75.9	76.3	76.3	76.3	76.8	76.8	77.0	77.0
≥ 3500	21.7	47.4	55.2	65.2	72.5	74.1	76.9	77.4	77.4	77.8	77.8	77.8	78.3	78.3	78.6	78.6
≥ 3000	21.7	47.7	56.0	66.2	74.0	75.7	78.6	79.1	79.1	79.4	79.4	79.4	79.9	79.9	80.2	80.2
≥ 2500	21.8	48.8	57.1	67.3	75.4	77.2	80.2	80.7	80.7	81.2	81.2	81.2	81.7	81.7	82.0	82.0
≥ 2000	21.9	49.6	57.9	68.1	76.3	78.1	81.2	82.1	82.1	82.6	82.6	82.6	83.1	83.1	83.4	83.4
≥ 1800	22.1	49.7	58.0	68.3	76.5	78.3	81.7	82.6	82.6	83.1	83.1	83.1	83.6	83.6	83.9	83.9
≥ 1500	22.2	50.2	59.1	69.5	77.9	79.7	83.2	84.1	84.1	84.6	84.6	84.6	85.1	85.1	85.4	85.4
≥ 1200	22.2	50.3	59.3	70.1	78.6	80.3	83.9	84.7	84.7	85.2	85.2	85.2	85.8	85.8	86.0	86.0
≥ 1000	22.2	50.6	59.5	70.7	79.3	81.3	84.9	85.8	85.8	86.3	86.3	86.3	86.8	86.8	87.0	87.0
≥ 900	22.2	50.9	59.9	71.1	79.7	81.7	85.4	86.3	86.3	86.8	86.8	86.8	87.3	87.3	87.5	87.5
≥ 800	22.2	51.5	60.4	71.9	80.8	83.0	86.6	87.5	87.5	88.0	88.0	88.0	88.5	88.5	88.8	88.8
≥ 700	22.2	51.6	60.5	72.0	81.1	83.2	86.9	87.9	87.9	88.4	88.4	88.4	88.9	88.9	89.2	89.2
≥ 600	22.3	52.2	61.2	72.6	81.8	84.1	87.9	88.9	88.9	89.4	89.4	89.4	89.9	89.9	90.2	90.2
≥ 500	22.3	52.2	61.2	72.6	82.3	84.6	88.4	89.8	89.8	90.8	90.8	90.8	91.3	91.3	91.7	91.7
≥ 400	22.3	52.2	61.2	72.6	82.6	84.9	88.9	90.4	90.4	91.9	91.9	91.9	92.4	92.4	92.8	92.8
≥ 300	22.3	52.2	61.2	72.6	82.8	85.1	89.3	90.8	90.8	92.4	92.4	92.4	93.1	93.1	93.6	93.6
≥ 200	22.3	52.2	61.2	72.6	83.1	85.4	89.8	91.8	91.8	93.9	94.1	94.1	95.1	95.1	95.8	95.8
≥ 100	22.3	52.2	61.2	72.6	83.1	85.4	89.8	91.8	91.8	94.1	94.7	94.7	96.0	96.0	97.5	97.9
≥ 0	22.3	52.2	61.2	72.6	83.1	85.4	90.0	92.1	92.1	94.5	95.1	95.1	96.5	96.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
CEAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2622-0000
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥.	≥0
NO CEILING	5.4	22.6	26.2	29.8	34.8	36.7	40.4	43.3	43.3	44.3	44.5	44.5	44.6	44.8	45.0	45.2
≥ 20000	6.0	27.1	31.5	36.0	41.3	43.7	47.9	51.8	51.8	53.4	53.7	53.7	53.8	53.9	54.1	54.4
≥ 18000	6.0	27.1	31.5	36.0	41.3	43.7	47.9	51.8	51.8	53.4	53.7	53.7	53.8	53.9	54.1	54.4
≥ 16000	6.0	27.1	31.5	36.0	41.3	43.7	47.9	51.8	51.8	53.4	53.7	53.7	53.8	53.9	54.1	54.4
≥ 14000	6.0	27.1	31.5	36.0	41.3	43.7	47.9	51.8	51.8	53.4	53.7	53.7	53.8	53.9	54.1	54.4
≥ 12000	6.0	27.8	32.2	37.0	42.6	44.9	49.1	53.2	53.2	54.9	55.1	55.1	55.2	55.4	55.6	55.9
≥ 10000	6.1	30.4	35.7	41.1	47.4	49.9	54.4	58.4	58.4	60.4	60.6	60.6	60.9	61.0	61.2	61.5
≥ 9000	6.3	31.1	36.6	42.2	48.7	51.1	55.6	59.6	59.6	61.6	61.8	61.8	62.1	62.2	62.4	62.7
≥ 8000	6.3	31.6	37.3	43.0	49.6	52.3	57.2	61.3	61.3	63.4	63.7	63.7	63.9	64.4	64.6	64.9
≥ 7000	6.3	32.0	37.8	43.7	50.2	53.0	57.9	62.2	62.2	64.6	64.9	64.9	65.1	65.6	65.9	66.1
≥ 6000	6.3	32.0	37.8	43.7	50.5	53.3	58.2	62.4	62.4	64.9	65.1	65.1	65.4	65.9	66.1	66.3
≥ 5000	6.3	32.8	39.4	45.4	52.3	55.4	6.5	65.0	65.0	67.4	67.7	67.7	67.9	68.4	68.7	68.9
≥ 4500	6.3	33.4	40.1	46.5	53.9	57.0	62.2	66.7	66.7	69.1	69.5	69.5	69.8	70.2	70.5	70.7
≥ 4000	6.3	33.5	40.4	46.8	54.3	57.3	62.6	67.1	67.1	69.5	69.9	69.9	70.1	70.6	70.9	71.1
≥ 3500	6.3	34.1	41.3	48.0	55.5	58.5	63.8	68.5	68.5	71.0	71.3	71.3	71.6	72.1	72.4	72.7
≥ 3000	6.3	34.5	41.8	48.9	56.6	59.9	65.1	70.0	70.0	72.6	72.9	72.9	73.2	73.7	74.0	74.3
≥ 2500	6.5	35.4	42.8	50.0	57.7	61.1	66.3	71.5	71.5	74.0	74.6	74.6	74.9	75.4	75.7	76.0
≥ 2000	6.5	36.2	43.7	51.1	58.8	62.3	67.6	72.9	72.9	75.5	76.2	76.2	76.5	77.1	77.4	77.8
≥ 1800	6.5	36.3	43.8	51.2	59.0	62.6	67.8	73.3	73.3	75.9	76.6	76.6	76.8	77.4	77.8	78.2
≥ 1500	6.5	36.6	44.0	51.6	59.4	62.9	68.2	73.7	73.7	76.3	77.1	77.1	77.3	77.9	78.3	78.7
≥ 1200	6.5	37.0	44.4	52.0	59.7	63.4	68.8	74.5	74.5	77.2	77.9	77.9	78.2	78.8	79.3	79.6
≥ 1000	6.5	37.2	44.9	52.6	60.4	64.3	69.9	75.7	75.7	78.5	79.4	79.4	79.6	80.2	80.9	81.2
≥ 900	6.5	37.2	45.0	52.7	61.0	64.9	70.6	76.6	76.6	79.4	80.2	80.2	80.5	81.1	81.7	82.1
≥ 800	6.5	37.4	45.5	53.2	61.6	65.5	71.6	77.6	77.6	80.5	81.3	81.3	81.6	82.2	82.8	83.2
≥ 700	6.5	37.7	45.9	53.5	62.0	66.5	72.7	79.0	79.0	82.2	83.0	83.0	83.3	83.9	84.5	84.9
≥ 600	6.5	37.8	46.0	54.0	63.0	67.2	74.3	80.6	80.6	83.9	84.8	84.8	85.1	85.7	86.3	86.7
≥ 500	6.5	37.9	46.1	54.4	63.4	67.7	75.0	81.8	81.8	85.5	86.3	86.3	86.7	87.3	87.9	88.3
≥ 400	6.5	37.9	46.3	54.8	63.9	68.7	76.0	83.5	83.7	88.4	89.6	89.6	90.1	90.9	91.6	92.1
≥ 300	6.5	37.9	46.3	54.8	63.9	68.7	76.0	83.7	83.8	88.7	90.5	90.5	91.1	92.1	92.8	93.3
≥ 200	6.5	37.9	46.3	54.8	63.9	68.7	76.1	83.8	83.9	89.5	92.1	92.1	93.5	94.9	96.2	97.4
≥ 100	6.5	37.9	46.3	54.8	63.9	68.7	76.1	83.9	84.0	89.6	92.2	92.2	93.9	95.2	97.0	98.9
≥ 0	6.5	37.9	46.3	54.8	63.9	68.7	76.1	83.9	84.0	89.6	92.2	92.2	93.9	95.2	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5900-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	9.7	28.2	31.8	35.4	39.0	41.1	41.9	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥20000	10.6	32.8	37.6	41.9	46.0	49.1	50.2	51.0	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV ≥18000	10.6	32.8	37.6	41.9	46.0	49.1	50.2	51.0	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV ≥16000	10.6	32.8	37.6	41.9	46.0	49.1	50.2	51.0	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV ≥14000	10.6	33.0	37.9	42.2	46.4	49.4	50.6	51.4	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV ≥12000	10.6	34.2	39.3	44.0	48.5	51.5	52.7	53.6	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV ≥10000	10.6	37.1	42.9	47.8	52.5	56.0	57.1	58.2	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV ≥9000	10.6	37.4	43.4	48.3	53.0	56.6	57.7	58.8	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV ≥8000	10.7	38.1	44.3	49.3	54.0	57.6	58.8	59.9	60.2	60.5	60.7	60.7	60.7	60.7	60.7	60.7
IV ≥7000	10.7	38.7	44.9	50.2	55.4	58.9	60.3	61.4	61.7	62.1	62.3	62.3	62.3	62.3	62.3	62.3
IV ≥6000	10.7	38.7	44.9	50.2	55.7	59.3	60.7	61.8	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.6
IV ≥5000	10.7	40.1	46.2	51.5	57.3	61.2	62.6	63.7	64.0	64.5	64.6	64.6	64.6	64.6	64.6	64.6
IV ≥4500	10.7	40.6	46.9	52.4	58.2	62.0	63.5	64.6	64.9	65.4	65.6	65.6	65.6	65.6	65.6	65.6
IV ≥4000	10.7	40.7	47.1	52.7	58.6	62.4	63.9	65.0	65.2	65.7	66.0	66.0	66.0	66.0	66.0	66.0
IV ≥3500	10.9	41.1	47.5	53.0	58.9	62.9	64.6	65.7	66.0	66.5	66.7	66.7	66.7	66.7	66.7	66.7
IV ≥3000	10.9	42.3	49.3	55.1	61.2	65.1	66.8	67.9	68.2	68.8	69.1	69.1	69.1	69.1	69.1	69.1
IV ≥2500	11.3	44.3	51.5	57.3	63.4	67.6	69.4	70.5	70.8	71.4	71.6	71.6	71.6	71.6	71.6	71.6
IV ≥2000	12.0	46.4	53.9	59.9	66.3	70.5	72.6	73.7	74.0	74.7	75.0	75.0	75.0	75.0	75.0	75.0
IV ≥1800	12.1	47.1	54.9	60.9	67.4	71.6	73.9	75.0	75.2	76.0	76.2	76.2	76.2	76.2	76.2	76.2
IV ≥1500	12.5	50.2	58.7	65.4	72.0	76.6	79.0	80.1	80.4	81.1	81.4	81.4	81.4	81.4	81.4	81.4
IV ≥1200	12.6	52.3	61.2	68.4	75.8	80.6	83.1	84.3	84.6	85.3	85.6	85.6	85.6	85.6	85.6	85.6
IV ≥1000	12.6	53.0	62.1	69.8	77.6	82.6	85.2	86.6	86.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0
IV ≥900	12.6	53.0	62.4	70.3	78.4	83.6	86.2	87.7	87.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1
IV ≥800	12.6	53.0	62.5	70.4	79.3	84.5	87.5	89.1	89.4	90.5	90.8	90.8	90.8	90.8	90.8	90.8
IV ≥700	12.6	53.3	62.8	70.7	79.7	85.2	88.4	90.1	90.4	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV ≥600	12.6	53.4	63.1	71.1	80.3	86.1	89.9	92.2	92.5	93.8	94.1	94.1	94.1	94.1	94.1	94.1
IV ≥500	12.6	53.5	63.3	71.3	80.5	86.3	90.4	93.0	93.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2
IV ≥400	12.6	53.5	63.4	71.6	81.0	86.8	90.9	94.0	94.3	96.8	97.3	97.3	97.3	97.3	97.3	97.3
IV ≥300	12.6	53.6	63.5	71.8	81.3	87.1	91.1	94.5	94.8	97.5	98.2	98.2	98.2	98.2	98.2	98.2
IV ≥200	12.6	53.6	63.5	71.8	81.3	87.2	91.2	94.6	94.9	97.9	99.0	99.0	99.1	99.1	99.3	99.3
IV ≥100	12.6	53.6	63.5	71.8	81.3	87.2	91.2	94.6	94.9	97.9	99.0	99.0	99.1	99.4	99.6	99.8
IV ≥0	12.6	53.6	63.5	71.8	81.3	87.2	91.2	94.6	94.9	97.9	99.0	99.0	99.1	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
417 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-61
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	10.6	27.3	28.8	32.1	34.3	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	11.8	35.1	36.7	40.6	43.3	43.9	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 18000	11.8	35.1	36.7	40.6	43.3	43.9	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 16000	11.8	35.1	36.7	40.6	43.3	43.9	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 14000	12.1	35.3	36.9	40.8	43.5	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000	12.2	36.7	38.4	42.6	45.5	46.1	46.2	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 10000	12.4	40.1	42.2	47.1	50.4	51.4	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 9000	12.3	40.7	42.8	47.7	51.4	52.4	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 8000	12.7	41.3	43.4	48.6	52.4	53.4	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 7000	12.8	41.6	43.9	49.3	53.1	54.1	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	12.8	41.8	44.2	49.6	53.4	54.4	54.6	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 5000	12.8	42.9	45.3	51.0	54.9	55.8	56.3	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4500	12.8	43.8	46.1	52.0	55.8	56.8	57.3	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4000	12.8	44.4	47.7	53.4	57.6	58.5	59.0	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 3500	13.7	46.6	49.3	55.8	60.1	61.1	61.7	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 3000	14.5	51.5	54.5	61.3	66.3	67.4	68.0	68.1	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 2500	15.5	58.2	62.1	68.9	74.4	75.8	76.9	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	15.9	62.7	67.0	74.3	80.6	82.4	84.1	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1800	15.9	64.2	69.2	76.9	83.4	85.2	87.1	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500	16.1	66.2	71.6	79.6	86.6	88.9	90.9	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1200	16.1	67.2	72.7	80.8	88.4	90.9	93.0	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	16.1	67.8	73.3	81.4	89.2	91.6	94.3	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	16.1	67.8	73.3	81.5	89.3	91.8	94.7	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	16.1	67.9	73.4	81.8	89.5	92.3	95.1	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	16.1	68.1	73.8	82.3	90.0	92.7	95.9	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	16.1	68.5	74.2	82.8	90.5	93.2	96.7	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	16.1	68.6	74.3	82.9	90.7	93.4	96.8	97.5	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	16.1	68.8	74.4	83.0	90.8	93.6	97.2	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	16.1	68.9	74.5	83.1	90.9	93.7	97.3	98.0	98.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	16.1	68.9	74.7	83.3	91.0	93.8	97.4	98.2	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	16.1	68.9	74.7	83.3	91.0	93.8	97.4	98.2	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	16.1	68.9	74.7	83.3	91.0	93.8	97.4	98.2	98.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AL WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	12.6	32.8	33.6	35.9	37.5	37.9	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	15.8	42.8	44.5	47.6	50.5	51.1	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	15.8	42.8	44.5	47.6	50.5	51.1	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	15.8	42.8	44.5	47.6	50.5	51.1	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	15.8	42.8	44.5	47.6	50.5	51.1	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 12000	16.1	45.2	47.1	50.4	53.5	54.2	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	16.6	48.7	51.5	54.9	58.4	59.5	59.8	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	16.6	49.0	52.0	55.6	59.2	60.3	60.5	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	16.9	50.2	53.4	57.1	60.9	62.0	62.3	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	16.9	50.9	54.2	57.8	61.6	62.7	63.1	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	17.1	51.1	54.4	58.1	61.9	63.1	63.4	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 5000	17.1	52.4	55.7	59.4	63.2	64.3	65.0	65.5	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	17.4	55.0	58.6	62.3	66.5	68.0	68.5	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	17.4	55.4	59.3	63.1	67.7	69.2	69.7	70.2	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	17.7	57.6	61.7	65.9	71.4	73.1	73.6	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	18.6	62.6	67.2	71.5	78.1	80.0	80.8	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	19.4	65.8	71.3	75.8	82.4	84.5	85.6	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2000	19.9	69.2	75.2	80.8	87.7	90.3	91.7	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800	19.9	69.2	75.3	80.9	87.8	90.5	91.8	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	20.0	69.9	76.3	82.0	89.2	92.1	93.6	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	20.0	70.8	77.3	83.0	90.3	93.4	95.1	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	20.0	71.4	77.9	83.6	91.0	94.0	95.8	96.5	96.6	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 900	20.0	71.4	78.1	83.9	91.2	94.3	96.1	96.7	96.8	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 800	20.0	71.4	78.4	84.1	91.4	94.5	96.3	96.9	97.1	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 700	20.0	71.4	78.4	84.1	91.4	94.5	96.3	97.1	97.2	97.7	97.7	97.7	97.7	97.8	97.8	97.8
≥ 600	20.0	71.4	78.4	84.1	91.6	94.6	96.7	97.4	97.6	98.0	98.0	98.0	98.0	98.2	98.2	98.2
≥ 500	20.0	71.4	78.4	84.1	91.7	94.7	97.2	98.0	98.2	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 400	20.0	71.4	78.4	84.1	91.7	94.7	97.4	98.4	98.7	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 300	20.0	71.4	78.4	84.1	91.7	94.7	97.6	98.5	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	20.0	71.4	78.4	84.1	91.7	94.7	97.6	98.5	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	20.0	71.4	78.4	84.1	91.7	94.7	97.6	98.5	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	20.0	71.4	78.4	84.1	91.7	94.7	97.6	98.5	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
746

STATION NAME
MANSFIELD LAHM MAP OH

YEARS
73-81

MONTH
AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	19.2	35.6	39.2	42.8	46.9	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	22.3	40.7	45.1	48.9	54.2	55.0	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	22.0	40.7	45.1	48.9	54.2	55.0	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 16000	22.7	40.7	45.1	48.9	54.2	55.0	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 14000	22.5	41.7	46.1	50.1	55.4	56.2	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	22.9	44.0	48.8	53.3	58.8	59.7	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	23.6	47.8	53.9	59.5	65.3	66.3	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 9000	23.6	47.8	54.0	59.7	65.6	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000	24.2	49.4	56.2	62.3	68.6	69.7	70.2	70.8	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	24.2	50.1	57.1	63.3	69.6	70.7	71.1	71.8	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1
≥ 6000	24.3	50.7	58.3	64.5	70.8	72.1	72.6	73.2	73.2	73.5	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	25.3	54.3	62.6	69.3	76.7	78.1	79.3	80.0	80.0	80.4	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	25.6	55.0	63.3	70.3	77.8	79.3	80.6	81.2	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	26.0	56.1	65.3	72.7	80.6	82.4	83.6	84.2	84.2	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3500	26.4	57.1	66.7	74.3	82.4	84.6	85.8	86.4	86.4	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000	26.7	58.2	68.2	75.8	84.5	86.7	88.0	88.9	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	26.9	59.7	70.0	77.6	86.7	89.1	90.6	91.4	91.4	91.9	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	27.1	60.4	71.3	79.0	88.5	91.1	92.8	93.6	93.6	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	27.1	60.4	71.3	79.1	88.6	91.2	92.9	93.8	93.8	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	27.4	61.0	72.0	80.0	89.5	92.2	94.4	95.2	95.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	27.5	61.1	72.1	80.3	90.0	92.8	95.0	96.0	96.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	27.5	61.1	72.5	80.8	90.6	93.4	95.6	96.6	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	27.5	61.1	72.6	80.9	90.7	93.5	95.7	96.7	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	27.5	61.1	72.6	81.2	91.0	93.8	96.0	97.2	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	27.5	61.1	72.7	81.3	91.2	94.0	96.3	97.7	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	27.5	61.1	72.7	81.3	91.4	94.3	96.7	98.0	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	27.5	61.1	72.7	81.3	91.7	94.5	96.9	98.4	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	27.6	61.2	72.9	81.4	91.8	94.6	97.1	98.7	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	27.6	61.2	72.9	81.4	91.8	94.6	97.1	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	27.6	61.2	72.9	81.4	91.8	94.6	97.1	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	27.6	61.2	72.9	81.4	91.8	94.6	97.1	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	27.6	61.2	72.9	81.4	91.8	94.6	97.1	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	23.2	43.3	49.3	53.7	57.3	57.5	57.5	57.7	57.7	57.7	57.9	57.9	58.0	58.0	58.0	58.0
≥ 20000	24.9	45.7	52.6	57.9	61.8	61.9	61.9	62.2	62.2	62.2	62.3	62.3	62.5	62.5	62.5	62.5
≥ 18000	24.9	45.7	52.6	57.9	61.8	61.9	61.9	62.2	62.2	62.2	62.3	62.3	62.5	62.5	62.5	62.5
≥ 16000	24.9	45.7	52.6	57.9	61.8	61.9	61.9	62.2	62.2	62.2	62.3	62.3	62.5	62.5	62.5	62.5
≥ 14000	25.6	46.9	54.1	59.4	63.6	63.8	63.8	64.0	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.3
≥ 12000	25.6	47.6	55.0	60.5	65.0	65.1	65.1	65.4	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6
≥ 10000	26.5	50.9	59.3	65.2	69.9	70.1	70.1	70.3	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6
≥ 9000	26.5	50.9	59.3	65.2	70.3	70.5	70.5	70.7	70.7	70.7	70.9	70.9	71.0	71.0	71.0	71.0
≥ 8000	26.9	52.4	61.4	67.6	73.1	73.4	73.4	73.9	73.9	73.9	74.0	74.0	74.1	74.1	74.1	74.1
≥ 7000	27.2	53.0	62.1	68.2	73.8	74.0	74.0	74.5	74.5	74.5	74.7	74.7	74.8	74.8	74.8	74.8
≥ 6000	27.3	53.8	63.4	69.6	75.7	76.0	76.0	76.5	76.5	76.5	76.6	76.6	76.8	76.8	76.8	76.8
≥ 5000	26.0	57.2	67.5	74.5	81.9	82.2	82.3	82.8	82.8	82.8	82.9	82.9	83.1	83.1	83.1	83.1
≥ 4500	28.3	57.6	68.0	75.1	82.9	83.2	83.3	83.9	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1
≥ 4000	28.0	58.4	69.3	77.0	85.0	85.3	85.4	86.0	86.0	86.0	86.1	86.1	86.2	86.2	86.2	86.2
≥ 3500	28.2	58.8	70.5	78.2	86.4	86.7	86.9	87.4	87.4	87.4	87.5	87.5	87.7	87.7	87.7	87.7
≥ 3000	28.2	59.6	71.8	80.1	88.3	88.7	88.8	89.4	89.4	89.5	89.6	89.6	89.8	89.8	89.8	89.8
≥ 2500	28.6	60.5	73.2	81.8	90.3	90.8	90.9	91.5	91.5	91.6	91.7	91.7	91.9	91.9	91.9	91.9
≥ 2000	29.1	61.4	74.1	82.8	91.5	92.0	92.1	92.7	92.7	92.8	92.9	92.9	93.0	93.0	93.0	93.0
≥ 1800	29.1	61.5	74.3	82.9	91.6	92.1	92.3	92.8	92.8	92.9	93.0	93.0	93.2	93.2	93.2	93.2
≥ 1500	29.1	61.5	74.4	83.2	92.1	92.7	92.8	93.3	93.3	93.4	93.6	93.6	93.7	93.7	93.7	93.7
≥ 1200	29.1	61.8	74.9	84.3	93.3	93.8	94.0	94.5	94.5	94.6	94.8	94.8	94.9	94.9	94.9	94.9
≥ 1000	29.1	61.9	75.1	84.6	93.7	94.5	94.6	95.1	95.1	95.3	95.4	95.4	95.5	95.5	95.5	95.5
≥ 900	29.1	61.9	75.1	84.6	93.8	94.6	94.8	95.3	95.3	95.4	95.5	95.5	95.7	95.7	95.7	95.7
≥ 800	29.1	61.9	75.1	84.8	94.1	94.9	95.1	95.7	95.7	95.8	95.9	95.9	96.1	96.1	96.1	96.1
≥ 700	29.1	62.1	75.2	85.0	94.5	95.3	95.5	96.1	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.5
≥ 600	29.1	62.2	75.3	85.2	95.1	95.9	96.2	96.7	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1
≥ 500	29.1	62.3	75.5	85.3	95.5	96.5	96.9	97.4	97.4	97.5	97.6	97.6	97.8	97.8	97.8	97.8
≥ 400	29.1	62.3	75.6	85.4	95.9	97.1	97.5	98.0	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 300	29.1	62.3	75.6	85.4	95.9	97.1	97.8	98.4	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0
≥ 200	29.1	62.3	75.6	85.4	96.1	97.2	97.9	98.6	98.6	99.1	99.2	99.2	99.3	99.3	99.5	99.5
≥ 100	29.1	62.3	75.6	85.4	96.1	97.2	97.9	98.6	98.6	99.1	99.2	99.2	99.7	99.7	99.9	100.0
≥ 0	29.1	62.3	75.6	85.4	96.1	97.2	97.9	98.6	98.6	99.1	99.2	99.2	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	15.4	33.1	36.6	40.8	44.6	45.6	46.6	47.3	47.3	47.5	47.6	47.6	47.7	47.7	47.8	47.8
≥ 20000	16.9	38.1	42.3	47.1	51.4	52.7	53.9	54.7	54.8	55.1	55.1	55.1	55.2	55.3	55.3	55.4
≥ 18000	16.9	38.1	42.3	47.1	51.4	52.7	53.9	54.7	54.8	55.1	55.1	55.1	55.2	55.3	55.3	55.4
≥ 16000	16.9	38.1	42.3	47.1	51.4	52.7	53.9	54.7	54.8	55.1	55.1	55.1	55.2	55.3	55.3	55.4
≥ 14000	17.2	38.6	42.8	47.7	52.1	53.4	54.5	55.4	55.5	55.8	55.8	55.8	55.9	56.0	56.0	56.1
≥ 12000	17.4	39.9	44.3	49.4	54.0	55.3	56.5	57.4	57.4	57.8	57.8	57.8	57.9	58.0	58.0	58.1
≥ 10000	17.9	43.3	48.6	54.3	59.2	60.7	62.0	62.9	62.9	63.3	63.4	63.4	63.5	63.5	63.6	63.6
≥ 9000	18.0	43.6	49.7	54.7	59.8	61.2	62.5	63.4	63.5	63.9	63.9	63.9	64.0	64.1	64.1	64.2
≥ 8000	18.2	44.5	50.2	56.1	61.4	63.0	64.4	65.4	65.5	65.9	66.0	66.0	66.1	66.1	66.2	66.2
≥ 7000	18.3	45.1	50.9	56.9	62.3	63.9	65.3	66.3	66.4	66.9	67.0	67.0	67.1	67.1	67.2	67.2
≥ 6000	18.3	45.6	51.5	57.5	63.1	64.7	66.1	67.1	67.2	67.7	67.8	67.8	67.9	68.0	68.0	68.1
≥ 5000	18.7	47.5	54.0	60.5	66.5	68.2	69.9	71.0	71.0	71.6	71.7	71.7	71.8	71.8	71.9	71.9
≥ 4500	18.8	48.3	54.9	61.6	67.9	69.6	71.2	72.3	72.4	72.9	73.0	73.0	73.2	73.2	73.3	73.3
≥ 4000	18.9	48.8	55.8	62.8	69.3	71.0	72.7	73.8	73.9	74.4	74.5	74.5	74.6	74.7	74.8	74.8
≥ 3500	19.2	49.9	57.1	64.2	70.9	72.8	74.5	75.6	75.7	76.3	76.4	76.4	76.5	76.6	76.7	76.7
≥ 3000	19.4	51.7	59.4	66.7	73.8	75.8	77.6	78.7	78.8	79.4	79.5	79.5	79.7	79.7	79.8	79.8
≥ 2500	19.9	53.8	62.7	69.4	76.8	78.9	80.8	82.0	82.1	82.7	82.9	82.9	83.0	83.0	83.1	83.2
≥ 2000	20.1	55.5	64.6	71.7	79.4	81.7	83.8	85.1	85.2	85.8	86.0	86.0	86.1	86.2	86.3	86.3
≥ 1800	20.2	55.9	64.4	72.3	80.0	82.3	84.5	85.8	85.9	86.5	86.7	86.7	86.8	86.9	87.0	87.0
≥ 1500	20.3	56.8	65.7	73.7	81.7	84.1	86.5	87.8	87.8	88.5	88.7	88.7	88.8	88.9	88.9	89.0
≥ 1200	20.3	57.5	66.5	74.8	83.0	85.5	87.9	89.3	89.4	90.0	90.2	90.2	90.3	90.4	90.5	90.5
≥ 1000	20.3	57.9	67.0	75.5	83.7	86.4	88.9	90.4	90.5	91.2	91.4	91.4	91.5	91.6	91.7	91.8
≥ 900	20.3	57.9	67.1	75.7	84.0	86.7	89.3	90.8	90.9	91.7	91.8	91.8	92.0	92.0	92.2	92.2
≥ 800	20.3	58.0	67.3	76.0	84.5	87.2	90.0	91.5	91.6	92.4	92.6	92.6	92.7	92.8	92.9	92.9
≥ 700	20.3	58.2	67.5	76.2	84.9	87.7	90.5	92.2	92.2	93.1	93.3	93.3	93.4	93.5	93.6	93.6
≥ 600	20.3	58.3	67.7	76.5	85.4	88.2	91.4	93.1	93.2	94.1	94.2	94.2	94.4	94.5	94.6	94.6
≥ 500	20.3	58.4	67.8	76.6	85.7	88.6	91.9	93.8	93.9	95.0	95.2	95.2	95.4	95.4	95.6	95.6
≥ 400	20.4	58.4	67.9	76.8	86.0	89.0	92.4	94.6	94.7	96.2	96.5	96.5	96.7	96.8	97.0	97.0
≥ 300	20.4	58.5	67.9	76.8	86.1	89.1	92.6	94.9	95.0	96.7	97.1	97.1	97.3	97.4	97.6	97.6
≥ 200	20.4	58.5	67.9	76.8	86.1	89.2	92.7	95.1	95.2	97.2	97.8	97.8	98.1	98.3	98.7	98.8
≥ 100	20.4	58.5	67.9	76.8	86.1	89.2	92.7	95.1	95.2	97.2	97.9	97.9	98.4	98.7	99.2	99.5
≥ 0	20.4	58.5	67.9	76.8	86.1	89.2	92.8	95.1	95.3	97.3	97.9	97.9	98.5	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6371

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701246 MANSFIELD LAHM MAP OH

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2400
HOURS-151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	38.1	52.3	56.1	59.5	62.9	63.4	63.9	64.1	64.1	64.5	64.5	64.5	64.8	64.8	64.8	64.8
≥ 20000	38.8	54.0	58.0	62.2	65.9	66.3	66.9	67.0	67.0	67.6	67.6	67.6	67.9	67.9	67.9	67.9
≥ 18000	38.8	54.0	58.0	62.2	65.9	66.3	66.9	67.0	67.0	67.6	67.6	67.6	67.9	67.9	67.9	67.9
≥ 16000	38.8	54.0	58.0	62.2	65.9	66.3	66.9	67.0	67.0	67.6	67.6	67.6	67.9	67.9	67.9	67.9
≥ 14000	39.1	54.3	58.2	62.5	66.2	66.6	67.2	67.3	67.3	67.9	67.9	67.9	68.2	68.2	68.2	68.2
≥ 12000	39.8	55.1	59.1	63.4	67.0	67.5	68.0	68.2	68.2	68.8	68.8	68.8	69.0	69.0	69.0	69.0
≥ 10000	41.8	58.4	62.4	66.8	70.5	70.9	71.4	71.6	71.6	72.2	72.2	72.2	72.4	72.4	72.4	72.4
≥ 9000	41.8	58.4	62.4	66.8	70.5	70.9	71.4	71.6	71.6	72.2	72.2	72.2	72.4	72.4	72.4	72.4
≥ 8000	42.0	58.8	62.8	67.2	71.0	71.4	72.0	72.2	72.2	72.7	72.7	72.7	73.0	73.0	73.0	73.0
≥ 7000	42.6	59.4	63.4	67.9	71.7	72.2	72.7	72.9	72.9	73.4	73.4	73.4	73.7	73.7	73.7	73.7
≥ 6000	42.6	59.7	63.9	68.5	72.6	73.0	73.9	74.0	74.0	74.6	74.6	74.6	74.9	74.9	74.9	74.9
≥ 5000	42.9	63.1	68.8	73.7	78.0	78.6	79.4	79.5	79.5	80.3	80.3	80.3	80.5	80.5	80.5	80.5
≥ 4500	43.1	63.4	69.0	74.0	78.3	78.8	79.7	79.8	79.8	80.5	80.5	80.5	80.8	80.8	80.8	80.8
≥ 4000	44.2	64.6	70.6	75.6	79.8	80.4	81.3	81.4	81.4	82.1	82.1	82.1	82.4	82.4	82.4	82.4
≥ 3500	44.3	64.8	70.7	76.0	80.3	80.8	81.8	82.0	82.0	82.7	82.7	82.7	83.0	83.0	83.0	83.0
≥ 3000	44.7	65.8	71.9	77.1	81.4	82.0	83.0	83.1	83.1	83.8	83.8	83.8	84.1	84.1	84.1	84.1
≥ 2500	45.0	66.2	72.3	78.1	82.4	83.0	83.9	84.1	84.1	84.8	84.8	84.8	85.1	85.1	85.1	85.1
≥ 2000	45.2	67.3	73.6	79.4	83.7	84.2	85.2	85.4	85.4	86.1	86.1	86.1	86.4	86.4	86.4	86.4
≥ 1800	45.3	67.6	73.9	79.7	83.9	84.5	85.5	85.7	85.7	86.4	86.4	86.4	86.6	86.6	86.6	86.6
≥ 1500	46.3	69.5	76.1	82.4	87.1	87.6	88.9	89.1	89.1	89.9	89.9	89.9	90.2	90.2	90.2	90.2
≥ 1200	46.9	70.0	76.7	83.0	87.6	88.2	89.5	89.6	89.6	90.5	90.5	90.5	90.8	90.8	90.8	90.8
≥ 1000	47.3	70.9	77.6	83.8	88.6	89.2	90.5	90.6	90.6	91.5	91.5	91.5	91.8	91.8	91.8	91.8
≥ 900	47.3	71.0	77.7	83.9	88.8	89.3	90.6	90.8	90.8	91.6	91.6	91.6	91.9	91.9	91.9	91.9
≥ 800	47.3	71.4	78.1	84.7	89.8	90.3	91.6	91.8	91.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0
≥ 700	47.3	71.9	78.6	85.1	90.2	90.8	92.0	92.2	92.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5
≥ 600	47.4	72.4	79.3	85.8	90.9	91.5	93.2	93.3	93.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6
≥ 500	47.4	72.4	79.3	86.1	91.6	92.2	94.0	94.2	94.2	95.5	95.5	95.5	95.7	95.7	95.7	95.7
≥ 400	47.4	72.4	79.5	86.9	92.6	93.5	95.6	95.9	95.9	97.3	97.3	97.3	97.6	97.6	97.6	97.6
≥ 300	47.4	72.4	79.5	86.9	92.6	93.5	95.7	96.0	96.0	97.4	97.4	97.4	97.7	97.7	97.7	98.0
≥ 200	47.4	72.4	79.5	86.9	92.6	93.5	96.0	96.3	96.3	97.9	97.9	97.9	98.3	98.3	98.3	98.6
≥ 100	47.6	72.6	79.7	87.1	92.8	93.6	96.2	96.4	96.4	98.0	98.0	98.0	98.4	98.4	98.7	99.4
≥ 0	47.6	72.6	79.7	87.1	92.8	93.6	96.2	96.4	96.4	98.0	98.0	98.0	98.4	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0500
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ .	≥ 0
NO CEILING	31.5	40.8	52.0	54.8	57.7	58.7	59.6	59.9	59.9	60.3	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	32.4	50.2	53.5	56.7	59.6	60.7	61.7	62.0	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	32.4	50.2	53.5	56.7	59.6	60.7	61.7	62.0	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	32.4	50.2	53.5	56.7	59.6	60.7	61.7	62.0	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	33.2	51.1	54.4	57.7	60.6	61.6	62.6	62.9	62.9	63.4	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	33.4	52.3	55.7	59.0	61.9	62.9	64.0	64.2	64.2	64.7	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	34.6	55.0	58.7	62.0	64.9	65.9	67.4	67.6	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	34.6	55.4	59.1	62.4	65.3	66.3	67.8	68.0	68.0	68.5	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	34.7	55.7	59.5	62.8	65.7	66.7	68.3	68.5	68.5	69.1	69.2	69.2	69.2	69.2	69.2	69.2
≥ 7000	34.7	56.5	60.4	63.8	66.7	67.8	69.3	69.6	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	35.1	57.1	61.1	64.6	67.6	68.7	70.2	70.5	70.5	71.0	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	35.4	59.2	64.1	68.0	71.2	72.2	73.8	74.0	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	35.5	59.6	64.6	68.7	71.8	72.9	74.4	74.7	74.7	75.2	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	35.5	60.7	65.6	70.1	73.3	74.3	75.9	76.1	76.1	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	36.3	61.9	67.2	71.6	74.8	75.9	77.6	77.9	77.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	36.6	63.2	68.5	73.3	76.5	77.6	79.3	79.6	79.6	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500	36.6	63.4	68.9	73.8	77.1	78.1	79.8	80.1	80.1	80.6	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	37.6	65.4	70.9	75.8	79.3	80.3	82.0	82.3	82.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	37.6	65.4	70.9	75.8	79.4	80.5	82.2	82.4	82.4	83.0	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1500	37.7	66.3	72.1	77.3	81.4	82.4	84.4	84.7	84.7	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	37.7	66.4	72.2	77.7	81.9	83.0	84.9	85.2	85.2	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1000	37.9	67.2	73.1	78.8	83.0	84.0	86.0	86.2	86.2	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 900	37.9	67.5	73.4	79.0	83.4	84.4	86.4	86.6	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	38.3	68.4	74.4	80.1	84.7	85.7	87.7	87.9	87.9	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 700	38.3	69.2	75.2	81.5	86.4	87.5	89.5	89.8	89.8	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600	38.3	69.5	75.6	82.0	87.0	88.2	90.4	90.7	90.7	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	38.3	70.0	76.3	83.0	88.7	90.2	92.4	93.2	93.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 400	38.3	70.1	76.4	83.2	89.1	90.6	93.7	94.0	94.0	95.3	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	38.3	70.1	76.5	83.6	90.0	91.5	94.9	95.2	95.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9
≥ 200	38.3	70.1	76.5	83.6	90.0	91.5	95.2	95.4	95.4	97.0	97.5	97.5	97.6	97.6	97.6	97.6
≥ 100	38.3	70.2	76.7	83.7	90.2	91.6	95.3	95.5	95.5	97.1	97.6	97.6	97.9	97.9	98.2	98.6
≥ 0	38.3	70.2	76.7	83.7	90.2	91.6	95.3	95.5	95.5	97.1	97.6	97.6	97.9	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-3600
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	9.9	33.3	36.6	40.2	44.0	46.0	47.9	48.9	48.9	50.2	50.7	50.7	50.8	50.8	51.1	51.2
≥ 20000	10.1	36.1	40.1	44.2	48.8	51.1	53.4	54.6	54.6	55.9	56.4	56.4	56.5	56.5	56.8	56.9
≥ 18000	10.1	36.1	40.1	44.2	48.8	51.1	53.4	54.6	54.6	55.9	56.4	56.4	56.5	56.5	56.8	56.9
≥ 16000	10.1	36.2	40.2	44.4	48.9	51.2	53.5	54.8	54.8	56.0	56.5	56.5	56.7	56.7	56.9	57.0
≥ 14000	10.3	37.4	41.3	45.5	50.1	52.3	54.6	55.9	55.9	57.2	57.7	57.7	57.8	57.8	58.0	58.2
≥ 12000	10.4	38.1	42.2	46.6	51.2	53.5	55.8	57.0	57.0	58.3	58.8	58.8	58.9	58.9	59.2	59.3
≥ 10000	10.8	39.4	43.7	48.8	53.4	55.6	57.9	59.2	59.2	60.5	61.0	61.0	61.2	61.2	61.5	61.6
≥ 9000	11.0	40.9	45.5	50.7	55.3	57.5	59.8	61.1	61.1	62.4	62.9	62.9	63.1	63.1	63.4	63.5
≥ 8000	11.3	41.7	46.3	51.6	56.4	58.7	61.0	62.2	62.2	63.6	64.1	64.1	64.4	64.4	64.8	64.9
≥ 7000	11.3	42.3	46.9	52.6	57.4	59.7	62.0	63.2	63.2	64.6	65.1	65.1	65.4	65.4	65.8	65.9
≥ 6000	11.3	42.3	46.9	52.6	57.7	60.1	62.4	63.6	63.6	65.0	65.5	65.5	65.8	65.8	66.2	66.3
≥ 5000	11.3	43.6	48.5	54.4	59.4	62.1	64.5	65.9	65.9	67.3	67.8	67.8	68.1	68.1	68.4	68.6
≥ 4500	11.9	44.2	49.4	55.4	60.5	63.1	65.7	67.0	67.0	68.4	68.9	68.9	69.2	69.2	69.6	69.7
≥ 4000	11.5	44.2	49.6	55.5	60.6	63.2	65.8	67.2	67.2	68.6	69.1	69.1	69.3	69.3	69.7	69.8
≥ 3500	11.9	45.9	51.2	57.4	62.6	65.3	67.8	69.3	69.3	70.7	71.2	71.2	71.5	71.5	71.9	72.0
≥ 3000	11.9	47.1	52.9	59.3	64.6	67.3	69.8	71.4	71.4	72.8	73.3	73.3	73.5	73.5	73.9	74.0
≥ 2500	12.2	47.8	53.5	60.3	65.9	68.7	71.2	72.8	72.8	74.3	74.8	74.8	75.0	75.0	75.4	75.5
≥ 2000	12.3	48.5	54.2	61.2	66.9	69.7	72.5	74.0	74.0	75.5	76.0	76.0	76.3	76.3	76.7	76.8
≥ 1800	12.3	48.7	54.5	61.7	67.6	70.3	73.1	74.8	74.8	76.3	76.8	76.8	77.1	77.1	77.4	77.6
≥ 1500	12.7	49.7	55.5	62.9	68.8	71.7	74.8	76.4	76.4	78.1	78.6	78.6	78.8	78.8	79.2	79.3
≥ 1200	12.9	51.5	57.4	64.8	71.1	74.0	77.3	79.0	79.0	80.6	81.1	81.1	81.4	81.4	81.7	81.9
≥ 1000	12.9	52.0	58.7	65.4	71.9	74.8	78.1	79.7	79.7	81.4	81.9	81.9	82.1	82.1	82.5	82.6
≥ 900	12.9	52.3	58.4	65.9	72.4	75.3	78.6	80.4	80.4	82.0	82.5	82.5	82.9	82.9	83.3	83.4
≥ 800	12.9	52.9	59.2	66.7	73.1	76.0	79.8	81.6	81.6	83.3	83.8	83.8	84.2	84.2	84.5	84.7
≥ 700	12.9	53.0	59.4	67.4	74.3	77.2	81.2	83.5	83.5	85.2	85.7	85.7	86.1	86.1	86.4	86.6
≥ 600	12.9	53.6	60.5	68.6	76.0	79.1	83.5	85.9	85.9	87.6	88.1	88.1	88.5	88.5	88.8	89.0
≥ 500	12.9	54.4	61.3	69.7	77.2	80.2	85.2	87.8	88.0	89.9	90.5	90.5	90.9	90.9	91.3	91.4
≥ 400	12.9	54.5	61.5	70.1	77.9	81.0	86.1	88.7	88.8	91.3	92.3	92.3	92.9	92.9	93.3	93.4
≥ 300	12.9	54.5	61.5	70.1	77.9	81.1	86.3	89.0	89.1	92.5	94.0	94.0	95.1	95.1	95.6	95.7
≥ 200	12.9	54.5	61.5	70.1	77.9	81.1	86.6	89.4	89.5	93.5	95.8	95.8	97.5	97.6	98.2	98.5
≥ 100	12.9	54.5	61.5	70.1	77.9	81.1	86.6	89.4	89.5	93.5	95.8	95.8	97.7	97.8	98.5	99.1
≥ 0	12.9	54.5	61.5	70.1	77.9	81.1	86.6	89.4	89.5	93.5	95.8	95.8	97.7	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 789

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22-246
STATION

MANSFIELD LANM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1990-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥	≥0
NO CEILING	14.7	36.6	39.7	42.1	44.9	45.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	16.2	42.8	46.3	49.6	52.8	53.6	55.0	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 18000	16.2	42.8	46.3	49.6	52.8	53.6	55.0	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 16000	16.2	42.8	46.3	49.6	52.8	53.6	55.0	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IN 14000	16.6	43.6	47.2	50.4	53.7	54.5	55.8	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IN 12000	16.7	45.2	48.8	52.2	55.5	56.2	57.6	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IN 10000	16.9	46.9	51.2	55.2	58.7	59.5	60.9	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IN 9000	16.9	47.4	51.7	55.8	59.4	60.1	61.6	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IN 8000	17.5	48.7	53.0	57.1	60.8	61.5	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IN 7000	17.6	49.1	53.3	57.5	61.3	62.0	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IN 6000	17.7	49.3	53.6	57.9	61.6	62.4	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IN 5000	17.7	50.4	55.0	59.2	63.1	63.9	65.5	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IN 4500	18.7	51.7	56.4	60.8	64.7	65.4	67.0	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IN 4000	18.7	51.9	56.6	61.1	65.0	65.8	67.4	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IN 3500	18.7	53.3	58.1	62.9	66.9	67.7	69.3	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IN 3000	19.6	55.0	59.9	65.2	69.2	69.9	71.8	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IN 2500	20.4	56.5	61.5	66.8	70.9	71.7	73.6	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IN 2000	21.3	58.9	63.9	69.2	73.7	74.5	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IN 1800	21.6	59.6	64.7	70.1	74.8	75.7	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IN 1500	22.0	61.6	67.2	72.7	77.5	78.6	80.6	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IN 1200	22.1	63.1	69.2	74.8	80.0	81.1	83.1	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IN 1000	22.1	64.0	70.9	76.9	82.1	83.5	85.7	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IN 900	22.1	64.5	71.6	77.6	83.0	84.5	86.9	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IN 800	22.1	64.7	71.7	78.0	83.6	85.1	87.9	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IN 700	22.1	64.9	72.2	78.7	85.0	87.3	90.4	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IN 600	22.1	65.0	72.8	79.4	85.8	88.3	91.8	93.3	93.3	93.5	93.8	94.0	94.0	94.0	94.0	94.0
IN 500	22.1	65.2	73.0	79.6	86.2	88.8	93.1	94.8	95.0	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IN 400	22.1	65.2	73.2	79.9	86.5	89.3	94.2	96.6	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7
IN 300	22.1	65.2	73.2	80.1	86.8	89.6	94.6	97.2	97.4	98.1	98.7	98.7	98.9	98.9	98.9	98.9
IN 200	22.1	65.2	73.2	80.1	86.8	89.6	94.6	97.4	97.5	98.5	99.2	99.2	99.4	99.4	99.5	99.5
IN 100	22.1	65.2	73.2	80.1	86.8	89.6	94.6	97.5	97.6	98.6	99.4	99.4	99.5	99.5	99.6	99.7
IN 0	22.1	65.2	73.2	80.1	86.8	89.6	94.6	97.5	97.6	98.7	99.5	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
ATF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	18.5	34.5	35.7	37.6	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000	19.5	42.3	45.1	47.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000	19.5	42.3	45.1	47.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 16000	19.5	42.3	45.1	47.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 14000	20.0	43.5	46.2	48.6	49.6	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	20.4	44.7	47.5	50.1	51.1	51.4	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000	20.7	47.5	50.4	53.3	54.3	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	21.0	48.2	51.1	54.0	55.0	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 8000	21.2	49.2	52.1	55.0	56.0	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000	21.2	49.9	52.9	55.8	56.8	57.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 6000	21.7	50.4	53.4	56.3	57.3	57.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000	22.4	51.6	54.8	57.8	58.8	59.0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500	22.7	52.6	55.8	58.8	59.8	60.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4000	22.7	53.4	56.7	59.7	60.7	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3500	24.2	57.0	60.7	63.7	64.7	64.9	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 3000	26.4	62.2	66.3	69.7	71.0	71.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	28.4	67.2	71.7	75.8	77.6	78.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.3	79.3
≥ 2000	28.9	70.9	75.8	80.4	82.5	83.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3
≥ 1800	29.1	71.6	76.9	81.8	83.9	84.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
≥ 1500	29.3	74.4	80.7	86.2	88.3	88.9	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 1200	29.3	75.5	82.0	87.8	89.9	91.0	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.7	92.7
≥ 1000	29.3	76.1	82.8	88.6	90.8	91.8	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6
≥ 900	29.3	76.3	83.0	88.8	91.2	92.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.0
≥ 800	29.3	76.5	83.4	89.2	91.8	92.8	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
≥ 700	29.3	77.0	84.4	90.3	93.1	94.1	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
≥ 600	29.3	77.3	84.7	90.6	93.5	94.5	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9
≥ 500	29.3	77.4	84.8	91.1	94.0	95.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 400	29.3	77.5	84.9	91.2	94.1	95.2	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 300	29.3	77.5	84.9	91.2	94.1	95.2	97.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 200	29.3	77.5	84.9	91.2	94.1	95.2	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.9	99.9
≥ 100	29.3	77.5	84.9	91.2	94.1	95.2	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0
≥ 0	29.3	77.5	84.9	91.2	94.1	95.2	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	19.2	40.1	40.9	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	21.4	49.6	51.3	53.8	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	21.4	49.6	51.3	53.8	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	21.4	49.6	51.3	53.8	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	21.4	49.7	51.4	54.1	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	22.4	51.5	53.4	56.2	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	23.0	54.3	56.6	59.4	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 9000	23.2	54.8	57.2	60.0	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	23.2	56.2	58.6	61.4	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	23.2	57.5	60.4	63.2	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	23.5	58.2	61.1	63.9	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 5000	23.5	59.7	62.7	65.6	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	24.6	61.5	64.7	67.7	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	25.2	63.0	66.3	69.4	70.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	27.3	67.1	70.6	73.8	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	29.4	71.6	75.8	79.6	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2500	29.9	76.3	80.4	84.7	86.1	86.3	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	30.4	79.1	83.7	88.1	89.5	89.7	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	30.4	79.6	84.2	88.6	90.0	90.3	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	30.4	80.4	85.1	89.6	91.4	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	30.4	80.9	85.7	90.8	92.5	92.9	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	30.4	81.4	86.2	91.4	93.3	93.7	93.9	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 900	30.4	81.5	86.6	91.8	93.8	94.2	94.6	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	30.4	81.5	86.6	91.9	94.2	94.7	95.1	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	30.4	81.6	86.7	92.0	94.6	95.1	95.6	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	30.4	81.6	86.8	92.2	94.8	95.4	96.2	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	30.4	81.6	86.8	92.3	94.9	95.6	97.0	98.1	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4
≥ 400	30.4	81.9	87.0	92.4	95.1	95.9	97.3	98.6	98.6	98.7	98.9	98.9	99.1	99.1	99.1	99.1
≥ 300	30.4	81.9	87.0	92.4	95.1	96.1	97.5	98.7	98.7	99.0	99.1	99.1	99.4	99.4	99.4	99.4
≥ 200	30.4	81.9	87.0	92.4	95.1	96.1	97.5	98.7	98.7	99.1	99.4	99.4	99.7	99.7	99.7	99.7
≥ 100	30.4	81.9	87.0	92.4	95.1	96.1	97.5	98.7	98.7	99.1	99.4	99.4	99.7	99.7	99.7	99.7
≥ 0	30.4	81.9	87.0	92.4	95.1	96.1	97.5	98.7	98.7	99.1	99.4	99.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 790

USAF ETAC FORM 34-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFI WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	32.3	42.3	45.4	46.5	48.6	48.6	48.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	33.9	48.1	52.2	53.5	56.2	56.2	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	33.9	48.1	52.2	53.5	56.2	56.2	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	33.9	48.1	52.2	53.5	56.2	56.2	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	34.2	48.4	52.5	54.1	56.7	56.7	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	35.1	50.3	54.6	56.7	59.4	59.4	59.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	36.7	54.8	60.0	62.7	65.8	66.1	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	36.7	55.1	60.3	62.9	66.2	66.5	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	37.6	56.6	61.8	64.4	67.7	68.0	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 7000	38.0	57.5	62.8	65.4	68.9	69.1	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	38.2	58.4	64.4	67.1	70.8	71.0	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	39.6	63.0	70.1	73.4	77.3	77.7	77.8	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	40.0	63.8	70.9	74.2	78.1	78.5	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4000	41.0	66.1	73.4	76.7	80.6	81.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	41.5	67.7	75.2	78.6	82.5	82.9	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3000	42.2	69.1	76.8	80.6	84.8	85.2	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	42.4	70.6	78.6	82.9	87.2	87.6	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	42.4	71.5	79.6	84.4	88.7	89.1	89.5	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	42.4	71.5	79.6	84.4	88.7	89.1	89.5	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	42.5	72.4	80.8	86.2	90.6	91.0	91.4	92.3	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	42.7	72.5	81.0	86.6	91.4	91.8	92.3	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000	42.7	72.9	81.5	87.2	92.0	92.4	93.0	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	42.7	73.0	81.6	87.3	92.3	92.7	93.4	94.4	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	42.7	73.2	81.9	87.7	92.8	93.3	94.4	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	42.7	73.4	82.3	88.1	93.2	93.7	94.8	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	42.7	73.4	82.5	88.6	93.7	94.4	95.6	96.6	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	42.7	73.5	82.8	88.9	93.9	94.7	96.1	97.1	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	42.7	73.7	82.9	89.0	94.1	94.8	96.3	97.5	97.5	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	42.7	73.7	82.9	89.0	94.2	94.9	96.5	97.6	97.6	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	42.7	73.7	82.9	89.0	94.2	94.9	96.7	98.0	98.0	98.9	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	42.7	73.7	82.9	89.0	94.2	94.9	96.7	98.0	98.0	98.9	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	42.7	73.7	82.9	89.0	94.2	94.9	96.7	98.0	98.0	98.9	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	39.7	54.1	57.8	59.8	62.4	62.4	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.6
≥ 20000	41.2	56.6	60.6	63.0	65.7	65.7	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8
≥ 18000	41.2	56.6	60.6	63.0	65.7	65.7	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8
≥ 16000	41.2	56.6	60.6	63.0	65.7	65.7	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8
≥ 14000	41.4	57.1	61.2	64.0	66.6	66.6	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.8
≥ 12000	41.5	57.5	61.6	64.4	67.0	67.0	67.8	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.2
≥ 10000	44.2	62.3	67.5	70.6	73.5	73.7	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.8
≥ 9000	44.3	62.6	67.9	71.0	73.9	74.0	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.2
≥ 8000	45.1	63.4	68.8	72.0	74.8	75.0	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.1
≥ 7000	45.1	63.6	68.9	72.2	75.1	75.2	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.4
≥ 6000	45.7	64.4	69.9	73.1	76.1	76.3	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.5
≥ 5000	46.7	67.8	74.3	77.9	81.4	81.7	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.8
≥ 4500	46.7	67.9	74.4	78.0	81.5	81.8	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	83.0
≥ 4000	46.8	68.9	75.8	79.3	82.8	83.1	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.3
≥ 3500	47.3	69.6	76.7	80.2	83.7	84.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.3
≥ 3000	48.1	73.6	78.0	81.7	85.2	85.6	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8	86.9
≥ 2500	48.2	71.4	78.8	82.4	86.0	86.4	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.7
≥ 2000	48.4	72.9	80.2	83.9	87.8	88.2	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.5
≥ 1800	48.4	72.9	80.2	84.0	87.9	88.5	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.8
≥ 1500	48.8	73.3	81.4	85.2	89.3	89.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.1
≥ 1200	49.0	73.9	82.0	85.8	89.9	90.4	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.9
≥ 1000	49.1	74.6	82.7	86.8	91.0	91.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	93.1
≥ 900	49.1	74.7	82.8	86.9	91.2	91.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.3
≥ 800	49.3	75.2	83.5	87.7	92.1	92.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.2
≥ 700	49.3	75.4	83.6	87.9	92.4	92.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94.5
≥ 600	49.3	75.8	84.1	88.5	93.3	93.8	95.0	95.4	95.4	95.5	95.5	95.5	95.5	95.8	95.8	95.9
≥ 500	49.3	76.1	84.7	89.3	94.4	94.9	96.2	96.6	96.6	96.7	96.7	96.7	96.7	97.0	97.0	97.1
≥ 400	49.3	76.3	84.9	89.5	95.0	95.5	97.4	97.8	97.8	97.9	97.9	97.9	97.9	98.2	98.2	98.3
≥ 300	49.3	76.3	84.9	89.5	95.0	95.5	97.4	97.8	97.8	97.9	97.9	97.9	97.9	98.3	98.3	98.6
≥ 200	49.3	76.3	84.9	89.5	95.3	95.8	97.6	98.0	98.0	98.3	98.3	98.3	98.3	99.0	99.0	99.3
≥ 100	49.3	76.3	84.9	89.5	95.3	95.8	97.6	98.0	98.0	98.3	98.3	98.3	98.3	99.1	99.2	99.6
≥ 0	49.3	76.3	84.9	89.5	95.3	95.8	97.6	98.0	98.0	98.3	98.3	98.3	98.3	99.2	99.3	99.7

TOTAL NUMBER OF OBSERVATIONS 763

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

720246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	25.2	42.5	45.3	47.6	49.9	50.4	51.1	51.3	51.3	51.6	51.7	51.7	51.7	51.7	51.8	51.8
≥ 20000	26.4	47.3	50.7	53.7	56.3	56.9	57.7	58.0	58.0	58.4	58.4	58.4	58.4	58.5	58.5	58.6
≥ 18000	26.4	47.3	50.7	53.7	56.3	56.9	57.7	58.0	58.0	58.4	58.4	58.4	58.4	58.5	58.5	58.6
≥ 16000	26.4	47.3	50.7	53.7	56.3	56.9	57.7	58.0	58.0	58.4	58.4	58.4	58.4	58.5	58.5	58.6
≥ 14000	26.7	48.0	51.4	54.4	57.1	57.7	58.5	58.8	58.8	59.1	59.2	59.2	59.2	59.3	59.3	59.4
≥ 12000	27.2	49.2	52.7	55.9	58.6	59.2	60.0	60.4	60.4	60.7	60.7	60.7	60.7	60.8	60.8	60.9
≥ 10000	28.3	52.2	56.2	59.7	62.5	63.1	64.1	64.4	64.4	64.7	64.8	64.8	64.8	64.8	64.9	64.9
≥ 9000	28.4	52.7	56.8	60.3	63.1	63.8	64.7	65.0	65.0	65.3	65.4	65.4	65.5	65.5	65.6	65.6
≥ 8000	28.8	53.7	57.7	61.3	64.2	64.8	65.8	66.1	66.1	66.4	66.5	66.5	66.6	66.6	66.7	66.7
≥ 7000	28.9	54.3	58.5	62.2	65.1	65.7	66.7	67.0	67.0	67.4	67.4	67.4	67.5	67.5	67.6	67.6
≥ 6000	29.2	54.8	59.2	62.9	65.9	66.6	67.6	67.9	67.9	68.2	68.3	68.3	68.4	68.4	68.5	68.5
≥ 5000	29.7	57.2	62.1	66.1	69.3	70.0	71.1	71.4	71.4	71.8	71.8	71.8	71.9	71.9	72.0	72.0
≥ 4500	30.0	58.0	63.0	67.0	70.2	71.0	72.0	72.4	72.4	72.7	72.8	72.8	72.9	72.9	73.0	73.0
≥ 4000	30.4	59.0	64.2	68.3	71.4	72.2	73.3	73.6	73.6	74.0	74.1	74.1	74.1	74.1	74.2	74.2
≥ 3500	31.2	60.8	66.2	70.4	73.6	74.4	75.5	75.9	75.9	76.2	76.3	76.3	76.4	76.4	76.4	76.5
≥ 3000	32.1	63.0	68.7	73.2	76.6	77.3	78.5	78.9	78.9	79.2	79.3	79.3	79.4	79.4	79.5	79.5
≥ 2500	32.6	64.9	70.7	75.5	79.1	79.9	81.1	81.6	81.6	81.9	82.0	82.0	82.1	82.1	82.1	82.2
≥ 2000	33.0	66.7	72.7	77.8	81.5	82.3	83.5	84.0	84.0	84.4	84.5	84.5	84.5	84.5	84.6	84.7
≥ 1800	33.1	67.0	73.1	78.2	82.0	82.9	84.1	84.6	84.6	85.0	85.1	85.1	85.2	85.2	85.2	85.3
≥ 1500	33.4	68.4	74.8	80.3	84.2	85.2	86.6	87.1	87.1	87.5	87.6	87.6	87.7	87.7	87.7	87.8
≥ 1200	33.6	69.2	75.8	81.4	85.5	86.5	88.0	88.6	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.3
≥ 1000	33.7	69.9	76.6	82.3	86.6	87.6	89.1	89.7	89.7	90.2	90.3	90.3	90.3	90.3	90.4	90.5
≥ 900	33.7	70.1	76.9	82.6	87.0	88.0	89.6	90.2	90.2	90.7	90.8	90.8	90.9	90.9	91.0	91.0
≥ 800	33.7	70.5	77.3	83.2	87.7	88.8	90.6	91.2	91.2	91.7	91.8	91.8	91.9	91.9	92.0	92.0
≥ 700	33.7	70.8	77.8	83.9	88.6	89.8	91.6	92.4	92.4	92.9	93.0	93.0	93.1	93.1	93.2	93.2
≥ 600	33.8	71.1	78.3	84.4	89.4	90.6	92.7	93.7	93.7	94.2	94.3	94.3	94.4	94.4	94.5	94.6
≥ 500	33.8	71.3	78.6	85.0	90.1	91.4	93.9	95.0	95.0	95.7	95.8	95.8	96.0	96.0	96.1	96.1
≥ 400	33.8	71.4	78.8	85.3	90.5	92.0	94.7	96.0	96.0	96.9	97.1	97.1	97.3	97.3	97.4	97.4
≥ 300	33.8	71.4	78.8	85.3	90.7	92.1	95.0	96.3	96.4	97.4	97.8	97.8	98.0	98.0	98.1	98.2
≥ 200	33.8	71.4	78.8	85.3	90.7	92.2	95.2	96.6	96.6	97.8	98.5	98.5	98.9	98.9	99.1	99.2
≥ 100	33.8	71.5	78.8	85.4	90.7	92.2	95.2	96.6	96.6	97.9	98.5	98.5	99.0	99.0	99.3	99.6
≥ 0	33.8	71.5	78.8	85.4	90.7	92.2	95.2	96.6	96.6	97.9	98.5	98.5	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6192

CEILING VERSUS VISIBILITY

73-82

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~CONFIDENTIAL~~

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	39.3	50.5	50.8	51.0	53.5	53.6	53.8	54.4	54.4	54.9	55.1	55.1	55.1	55.1	55.3	55.3
N 20000	42.4	53.9	54.2	54.4	56.9	57.0	57.2	57.9	57.9	58.3	58.5	58.5	58.5	58.5	58.7	58.7
N 18000	42.4	53.9	54.2	54.4	56.9	57.0	57.2	57.9	57.9	58.3	58.5	58.5	58.5	58.5	58.7	58.7
N 16000	42.4	53.9	54.2	54.4	56.9	57.0	57.2	57.9	57.9	58.3	58.5	58.5	58.5	58.5	58.7	58.7
N 14000	42.5	54.0	54.3	54.7	57.2	57.3	57.5	58.1	58.1	58.5	58.6	58.8	58.8	58.8	59.0	59.0
N 12000	43.1	55.3	55.5	56.0	58.4	58.5	58.7	59.4	59.4	59.8	60.1	60.1	60.1	60.1	60.2	60.2
N 10000	45.6	58.3	58.8	59.2	61.7	61.8	62.0	62.7	62.7	63.1	63.3	63.3	63.3	63.3	63.5	63.5
N 9000	45.6	58.3	58.8	59.2	61.7	61.8	62.0	62.7	62.7	63.1	63.3	63.3	63.3	63.3	63.5	63.5
N 8000	47.3	60.3	60.9	61.6	64.0	64.2	64.3	65.0	65.0	65.4	65.7	65.7	65.7	65.7	65.8	65.8
N 7000	48.0	61.0	61.6	62.2	64.7	64.8	65.0	65.7	65.7	66.1	66.3	66.3	66.3	66.3	66.5	66.5
N 6000	49.8	64.3	64.6	65.3	67.7	67.9	68.0	68.7	68.7	69.1	69.4	69.4	69.4	69.4	69.5	69.5
N 5000	52.7	67.2	68.1	68.8	71.5	71.8	72.0	72.6	72.6	73.1	73.3	73.3	73.3	73.3	73.5	73.5
N 4500	52.3	67.4	68.4	69.1	71.8	72.1	72.2	72.9	72.9	73.3	73.6	73.6	73.6	73.6	73.7	73.7
N 4000	53.5	69.6	71.1	72.4	75.1	75.4	75.5	76.2	76.2	76.6	76.9	76.9	76.9	76.9	77.0	77.0
N 3500	54.4	71.0	72.5	73.7	76.5	76.7	76.9	77.6	77.6	78.0	78.2	78.2	78.2	78.2	78.4	78.4
N 3000	55.3	72.2	74.0	75.2	78.1	78.4	78.5	79.2	79.2	79.6	79.9	79.9	79.9	79.9	80.0	80.0
N 2500	56.4	74.4	76.2	77.6	80.7	81.0	81.3	81.9	81.9	82.4	82.6	82.6	82.6	82.6	82.8	82.8
N 2000	58.7	78.4	80.2	81.5	85.0	85.2	85.5	86.2	86.2	86.6	86.9	86.9	86.9	86.9	87.0	87.0
N 1800	58.8	78.5	80.3	81.7	85.1	85.4	85.6	86.3	86.3	86.7	87.0	87.0	87.0	87.0	87.1	87.1
N 1500	59.5	79.3	81.3	82.9	86.3	86.6	86.9	87.6	87.6	88.0	88.2	88.2	88.2	88.2	88.4	88.4
N 1200	59.6	79.8	81.8	83.4	86.9	87.3	87.6	88.2	88.2	88.6	88.9	88.9	88.9	88.9	89.1	89.1
N 1000	59.8	80.6	83.0	85.0	88.5	88.9	89.2	89.9	89.9	90.3	90.6	90.6	90.6	90.6	90.7	90.7
N 900	59.8	80.6	83.0	85.0	88.5	88.9	89.2	89.9	89.9	90.3	90.6	90.6	90.6	90.6	90.7	90.7
N 800	59.9	81.7	84.3	86.2	89.7	90.2	90.4	91.1	91.1	91.7	91.9	91.9	91.9	91.9	92.1	92.1
N 700	59.9	82.1	84.8	86.7	90.7	90.7	91.0	91.7	91.7	92.2	92.5	92.5	92.5	92.5	92.6	92.6
N 600	60.1	82.5	85.4	87.6	91.4	91.9	92.2	92.9	92.9	93.4	93.7	93.7	93.7	93.7	93.8	93.8
N 500	60.1	82.9	85.8	88.2	92.3	93.0	93.3	94.0	94.0	94.5	94.8	94.8	94.8	94.8	94.9	94.9
N 400	60.1	82.9	85.8	88.5	93.0	94.4	94.8	95.6	95.6	96.2	96.4	96.4	96.4	96.4	96.6	96.6
N 300	60.1	82.9	85.8	88.9	93.4	95.1	95.6	96.6	96.6	97.1	97.4	97.4	97.4	97.4	97.5	97.5
N 200	60.1	82.9	85.8	88.9	93.4	95.1	95.9	96.9	96.9	97.5	97.8	97.8	97.9	97.9	98.2	98.2
N 100	60.1	82.9	85.8	88.9	93.4	95.1	95.9	96.9	96.9	97.5	97.9	97.9	98.4	98.4	98.8	98.8
N 0	60.1	82.9	85.8	88.9	93.4	95.1	95.9	96.9	96.9	97.5	97.9	97.9	98.4	98.4	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 731

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10-246 STATION NAME MANSFIELD LAHM MAP OH

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.4	≥0
NO CEILING	32.8	47.1	48.1	48.9	50.1	50.1	50.5	51.1	51.1	51.5	51.9	51.9	51.9	51.9	51.9	52.0
≥ 20000	34.8	49.5	50.5	51.3	52.6	52.6	52.9	53.6	53.6	54.0	54.3	54.3	54.3	54.3	54.3	54.5
≥ 18000	34.9	49.5	50.5	51.3	52.6	52.6	52.9	53.6	53.6	54.0	54.3	54.3	54.3	54.3	54.3	54.5
≥ 16000	34.8	49.5	50.5	51.3	52.6	52.6	52.9	53.6	53.6	54.0	54.3	54.3	54.3	54.3	54.3	54.5
≥ 14000	35.1	49.9	50.9	51.9	53.2	53.2	53.6	54.2	54.2	54.6	55.0	55.0	55.0	55.0	55.0	55.1
≥ 12000	35.3	51.3	52.3	53.3	54.6	54.6	55.0	55.6	55.6	56.0	56.4	56.4	56.4	56.4	56.4	56.5
≥ 10000	38.1	54.6	55.6	57.0	58.3	58.3	58.7	59.3	59.3	59.8	60.2	60.2	60.2	60.2	60.2	60.3
≥ 9000	38.4	55.1	56.1	57.5	58.8	58.8	59.2	59.8	59.8	60.3	60.7	60.7	60.7	60.7	60.7	60.8
≥ 8000	39.2	56.3	57.3	58.7	60.1	60.1	60.6	61.2	61.2	61.7	62.1	62.1	62.1	62.1	62.1	62.2
≥ 7000	39.9	57.1	58.2	59.6	61.0	61.0	61.5	62.1	62.1	62.6	63.0	63.0	63.0	63.0	63.0	63.1
≥ 6000	40.7	59.1	60.1	61.5	62.9	62.9	63.4	64.0	64.0	64.5	64.9	64.9	64.9	64.9	64.9	65.1
≥ 5000	42.5	62.4	63.4	64.9	66.6	66.6	67.3	68.0	68.0	68.5	68.9	68.9	68.9	68.9	68.9	69.0
≥ 4500	43.1	63.8	64.8	66.3	68.0	68.2	68.8	69.4	69.4	69.9	70.3	70.3	70.3	70.3	70.3	70.4
≥ 4000	43.8	64.9	66.1	67.7	69.4	69.6	70.2	70.8	70.8	71.4	71.8	71.8	71.8	71.8	71.8	71.9
≥ 3500	44.3	66.8	68.1	69.6	71.3	71.7	72.2	72.8	72.8	73.5	73.9	73.9	73.9	73.9	73.9	74.0
≥ 3000	45.8	68.2	69.8	71.4	73.2	73.7	74.2	74.9	74.9	75.5	75.9	75.9	75.9	75.9	75.9	76.0
≥ 2500	47.2	70.8	72.3	74.6	76.7	77.2	77.7	78.3	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.5
≥ 2000	46.2	73.5	75.3	77.8	79.8	80.4	80.9	81.5	81.5	82.3	82.7	82.7	82.7	82.7	82.7	82.8
≥ 1800	48.2	73.6	75.4	77.9	80.0	80.5	81.0	81.6	81.6	82.4	82.8	82.8	82.8	82.8	82.8	82.9
≥ 1500	49.2	75.0	76.8	79.3	81.4	81.9	82.4	83.0	83.0	83.8	84.2	84.2	84.2	84.2	84.2	84.3
≥ 1200	49.6	76.1	77.9	80.6	82.7	83.2	83.7	84.3	84.3	85.1	85.5	85.5	85.5	85.5	85.5	85.6
≥ 1000	49.7	76.7	79.3	82.4	84.6	85.1	85.6	86.2	86.2	87.0	87.4	87.4	87.4	87.4	87.4	87.5
≥ 900	49.9	77.4	80.1	83.2	85.3	86.0	86.5	87.1	87.1	87.9	88.3	88.3	88.3	88.3	88.3	88.4
≥ 800	50.1	77.8	80.7	84.1	86.5	87.1	87.8	88.5	88.5	89.3	89.8	89.8	89.8	89.8	89.8	89.9
≥ 700	50.3	78.2	81.4	84.7	87.2	87.9	88.5	89.3	89.3	90.1	90.6	90.6	90.6	90.6	90.6	90.7
≥ 600	50.4	78.7	82.1	86.0	88.5	89.2	89.8	90.6	90.6	91.5	92.0	92.0	92.0	92.0	92.0	92.1
≥ 500	50.5	78.8	82.5	86.7	89.3	90.1	90.8	91.6	91.6	92.5	93.0	93.0	93.0	93.0	93.0	93.1
≥ 400	50.5	78.8	82.7	87.2	90.6	91.7	92.6	93.5	93.5	94.5	95.0	95.0	95.0	95.0	95.0	95.2
≥ 300	50.5	78.8	82.7	87.5	90.9	92.5	93.9	94.9	95.0	96.4	96.9	96.9	97.1	97.1	97.1	97.2
≥ 200	50.5	78.8	82.7	87.6	91.2	92.7	94.5	95.7	95.8	97.3	98.0	98.0	98.1	98.1	98.1	98.5
≥ 100	50.5	78.8	82.7	87.6	91.2	92.7	94.5	95.7	95.8	97.3	98.1	98.1	98.1	98.2	98.2	99.0
≥ 0	50.5	78.8	82.7	87.6	91.2	92.7	94.5	95.7	95.8	97.3	98.1	98.1	98.1	98.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 784

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70246 MANSFIELD LAHM MAP OH

73-81

06T

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0.1	≥0
NO CEILING	14.7	39.1	41.9	43.8	45.3	46.2	47.1	47.9	47.9	48.1	48.2	48.2	48.4	48.4	48.5	48.5
≥ 20000	15.7	41.9	44.7	46.8	48.7	49.6	50.6	51.5	51.5	51.6	51.7	51.7	51.9	51.9	52.1	52.1
≥ 18000	15.7	41.9	44.7	46.8	48.7	49.6	50.6	51.5	51.5	51.6	51.7	51.7	51.9	51.9	52.1	52.1
≥ 16000	15.7	41.9	44.7	46.8	48.7	49.6	50.6	51.5	51.5	51.6	51.7	51.7	51.9	51.9	52.1	52.1
≥ 14000	15.9	42.4	45.3	47.5	49.3	50.2	51.2	52.1	52.1	52.2	52.3	52.3	52.5	52.5	52.7	52.7
≥ 12000	16.0	43.0	45.9	48.1	49.9	50.8	51.8	52.7	52.7	52.8	52.9	52.9	53.2	53.2	53.3	53.4
≥ 10000	16.6	46.5	49.5	51.8	53.6	54.6	55.6	56.4	56.4	56.6	56.8	56.8	57.0	57.0	57.2	57.3
≥ 9000	16.7	47.3	50.4	52.7	54.6	55.6	56.6	57.4	57.4	57.5	57.8	57.8	58.0	58.0	58.1	58.3
≥ 8000	17.0	48.3	51.3	53.8	55.7	56.7	57.6	58.5	58.5	58.6	58.9	58.9	59.1	59.1	59.2	59.3
≥ 7000	17.5	49.9	53.0	55.8	57.9	58.9	59.8	60.7	60.7	60.8	61.2	61.2	61.3	61.3	61.4	61.5
≥ 6000	18.4	51.9	55.1	58.0	60.2	61.2	62.1	63.0	63.0	63.1	63.3	63.3	63.6	63.6	63.7	63.8
≥ 5000	19.5	55.1	58.3	61.2	63.3	64.3	65.4	66.3	66.3	66.4	66.6	66.6	66.9	66.9	67.0	67.1
≥ 4500	20.1	56.3	59.7	62.6	65.2	66.1	67.2	68.1	68.1	68.2	68.4	68.4	68.7	68.7	68.8	68.9
≥ 4000	20.1	56.9	60.3	63.2	65.8	66.7	67.8	68.7	68.7	68.8	69.1	69.1	69.3	69.3	69.4	69.5
≥ 3500	20.9	59.3	62.7	65.7	68.2	69.2	70.3	71.2	71.2	71.5	71.7	71.7	72.0	72.0	72.1	72.2
≥ 3000	21.5	61.0	64.4	67.7	70.3	71.4	72.7	73.7	73.7	73.9	74.2	74.2	74.4	74.4	74.5	74.6
≥ 2500	23.1	63.7	67.2	70.8	73.3	74.4	75.8	76.8	76.8	77.1	77.3	77.3	77.5	77.5	77.7	77.8
≥ 2000	23.4	64.8	68.6	72.1	74.9	76.1	77.5	78.5	78.5	78.8	79.0	79.0	79.2	79.2	79.4	79.5
≥ 1800	23.4	64.9	68.7	72.5	75.4	76.6	78.0	79.0	79.0	79.4	79.6	79.6	79.9	79.9	80.0	80.1
≥ 1500	23.5	65.9	69.8	73.8	76.8	78.0	79.7	80.7	80.7	81.1	81.3	81.3	81.6	81.6	81.7	81.8
≥ 1200	23.7	66.9	70.9	75.0	78.0	79.2	80.9	82.0	82.0	82.4	82.6	82.6	82.9	82.9	83.0	83.1
≥ 1000	23.8	68.2	72.6	76.8	80.0	81.2	82.9	84.0	84.0	84.3	84.6	84.6	84.8	84.8	85.0	85.1
≥ 900	23.8	68.6	73.1	77.3	80.5	81.7	83.6	84.7	84.7	85.1	85.3	85.3	85.6	85.6	85.7	85.8
≥ 800	23.8	68.8	73.3	77.7	80.8	82.2	84.1	85.2	85.2	85.6	85.8	85.8	86.0	86.0	86.2	86.3
≥ 700	23.8	69.2	73.9	78.3	81.7	83.1	85.1	86.4	86.4	86.9	87.1	87.1	87.4	87.4	87.5	87.6
≥ 600	23.8	69.3	74.3	79.0	82.5	84.1	86.2	87.6	87.6	88.5	88.7	88.7	89.0	89.0	89.1	89.2
≥ 500	23.9	69.5	75.0	80.0	83.7	85.4	87.6	89.2	89.2	90.2	90.5	90.5	90.8	90.8	90.9	91.0
≥ 400	23.9	69.7	75.1	80.5	84.2	86.0	88.5	90.2	90.2	91.5	92.0	92.0	92.2	92.2	92.4	92.5
≥ 300	23.9	69.9	75.4	81.2	85.1	87.1	89.8	91.5	91.5	93.3	94.2	94.2	94.7	94.7	94.8	94.9
≥ 200	23.9	69.9	75.4	81.3	85.3	87.7	90.4	92.4	92.4	94.7	95.8	95.8	96.4	96.4	96.8	97.2
≥ 100	23.9	69.9	75.4	81.3	85.3	87.7	90.4	92.4	92.4	94.7	95.9	95.9	97.0	97.0	97.8	98.3
≥ 0	23.9	69.9	75.4	81.3	85.3	87.7	90.4	92.4	92.4	94.7	95.9	95.9	97.0	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	11.9	36.9	39.1	40.0	42.0	42.3	43.0	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6
≥ 20000	12.7	41.5	43.9	45.0	47.2	47.4	48.2	48.5	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.8
≥ 18000	12.7	41.5	43.9	45.0	47.2	47.4	48.2	48.5	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.8
≥ 16000	12.7	41.5	43.9	45.0	47.2	47.4	48.2	48.5	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.8
≥ 14000	13.1	42.4	44.7	45.8	48.0	48.3	49.0	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.6
≥ 12000	13.0	43.4	45.8	47.1	49.3	49.5	50.2	50.7	50.7	50.7	50.9	50.9	50.9	50.9	50.9	51.0
≥ 10000	13.1	44.9	47.3	48.9	51.1	51.3	52.2	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.9
≥ 9000	13.2	45.6	48.0	49.6	51.8	52.1	52.9	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.7
≥ 8000	14.0	47.9	50.4	52.0	54.2	54.4	55.3	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0
≥ 7000	14.5	49.6	52.2	53.8	56.6	56.9	57.7	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.5
≥ 6000	14.6	50.9	53.4	55.0	57.8	58.2	59.1	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8
≥ 5000	15.0	51.8	54.4	56.0	58.8	59.3	60.2	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.9
≥ 4500	15.1	52.9	56.1	57.7	60.5	61.2	62.0	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7
≥ 4000	15.2	53.7	56.9	58.5	61.3	61.9	62.7	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.5
≥ 3500	15.9	55.6	58.8	60.7	63.6	64.2	65.1	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8
≥ 3000	17.6	59.4	62.7	64.8	67.9	68.5	69.4	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.1
≥ 2500	19.9	63.1	66.7	69.0	72.1	72.7	73.5	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.3
≥ 2000	21.3	65.4	69.5	71.8	74.9	75.5	76.3	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.1
≥ 1800	21.9	67.0	71.2	73.5	76.7	77.3	78.2	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9
≥ 1500	22.8	70.1	74.5	76.8	80.1	80.8	81.7	82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.5
≥ 1200	22.8	71.2	75.6	78.2	82.0	82.6	83.6	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.3
≥ 1000	22.8	71.7	76.2	78.9	83.1	83.8	84.9	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.7	85.8
≥ 900	22.8	72.2	76.7	79.5	83.8	84.6	85.8	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.5	86.6
≥ 800	22.8	72.4	77.0	79.9	84.2	85.2	86.4	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.4
≥ 700	22.8	72.9	77.6	80.6	85.3	86.3	87.4	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.3
≥ 600	22.8	73.0	77.7	81.0	85.9	87.4	88.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.5
≥ 500	22.8	73.7	78.6	82.2	87.3	88.7	90.8	92.5	92.5	92.5	93.0	93.4	93.4	93.5	93.5	93.6
≥ 400	22.8	73.9	78.9	82.8	88.1	89.7	92.2	94.4	94.4	94.4	95.1	95.5	95.5	95.6	95.6	95.7
≥ 300	22.8	73.9	78.9	82.8	88.1	89.7	92.5	95.1	95.1	95.1	96.6	96.9	96.9	97.1	97.1	97.2
≥ 200	22.8	73.9	78.9	82.8	88.2	90.0	93.1	95.7	95.7	95.7	97.4	98.4	98.4	98.8	98.8	98.9
≥ 100	22.8	73.9	78.9	82.8	88.2	90.0	93.1	95.7	95.7	95.7	97.5	98.7	98.7	99.1	99.1	99.5
≥ 0	22.8	73.9	78.9	82.8	88.2	90.0	93.1	95.7	95.7	95.7	97.5	98.7	98.7	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	14.8	36.4	38.1	38.4	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	16.7	42.5	44.5	44.7	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 18000	16.7	42.5	44.5	44.7	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 16000	16.7	42.5	44.5	44.7	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 14000	17.0	43.0	45.0	45.2	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000	17.0	43.9	46.0	46.2	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 10000	17.5	46.2	48.3	48.7	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9000	17.8	46.9	49.0	49.4	50.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	18.5	48.4	50.5	51.0	51.7	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	18.6	48.8	50.9	51.3	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	18.6	49.1	51.3	51.8	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	18.9	50.5	52.7	53.4	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4500	19.8	53.1	55.4	56.2	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4000	20.3	53.9	56.2	57.1	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 3500	23.6	59.8	62.2	63.1	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	25.8	64.2	66.6	67.5	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2500	29.6	73.1	75.7	76.7	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2000	31.4	77.6	80.3	81.5	82.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800	31.4	78.6	81.5	82.8	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	32.3	80.8	84.1	85.3	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	32.4	81.9	85.2	86.8	88.3	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1000	32.5	83.0	86.3	88.0	89.6	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	32.5	83.3	86.8	88.5	90.1	90.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	32.5	83.7	87.3	89.0	90.8	91.6	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700	32.5	83.9	87.4	89.5	91.6	92.7	93.4	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	32.5	84.4	88.1	90.5	92.7	93.8	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	32.5	84.5	88.3	90.6	92.9	94.0	95.4	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	32.5	84.5	88.3	90.6	93.3	94.6	96.5	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	32.5	84.6	88.4	90.7	93.5	94.9	96.7	97.9	97.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	32.5	84.6	88.4	90.7	93.5	94.9	96.9	98.3	98.3	99.1	99.4	99.4	99.4	99.4	99.5	99.5
≥ 100	32.5	84.6	88.4	90.7	93.5	94.9	96.9	98.4	98.4	99.3	99.6	99.6	99.8	99.8	99.9	99.9
≥ 0	32.5	84.6	88.4	90.7	93.5	94.9	96.9	98.4	98.4	99.3	99.6	99.6	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 118

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING ≥ 20000	19.7	42.2	42.7	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 18000	22.3	48.6	49.2	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 16000	22.5	49.7	49.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 14000	22.5	49.2	49.8	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	22.6	50.1	50.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 10000	23.0	53.2	54.0	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 9000	23.6	54.1	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 8000	23.9	55.4	56.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 7000	24.2	57.1	57.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 6000	24.2	57.9	58.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 5000	26.0	60.8	61.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 4500	27.8	64.3	65.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4000	28.2	65.3	66.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	30.3	68.7	69.7	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3000	31.6	72.6	73.7	75.1	75.3	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500	34.3	78.0	79.6	81.3	81.7	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 2000	35.3	82.2	84.1	86.3	86.7	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1800	35.4	83.0	85.0	87.4	87.8	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500	36.1	85.1	87.5	90.2	90.7	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	36.1	86.4	88.9	91.6	92.2	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1000	36.1	86.7	89.1	92.1	92.9	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	36.1	86.8	89.5	92.4	93.3	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 800	36.1	86.9	89.6	92.7	93.5	93.7	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	36.1	87.1	89.7	92.9	93.9	94.0	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 600	36.1	87.1	89.7	93.3	94.6	94.7	95.6	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 500	36.1	87.1	90.1	94.0	95.5	95.7	96.7	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	36.1	87.1	90.1	94.1	95.7	96.0	96.9	97.3	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	36.1	87.1	90.1	94.1	95.7	96.0	97.3	97.8	97.8	98.7	98.8	98.8	98.8	98.9	98.9	98.9
IV 200	36.1	87.1	90.1	94.1	95.7	96.0	97.3	97.8	97.8	98.8	99.0	99.0	99.3	99.3	99.4	99.4
IV 100	36.1	87.1	90.1	94.1	95.7	96.0	97.3	97.8	97.8	98.9	99.1	99.1	99.5	99.5	99.6	99.6
IV 0	36.1	87.1	90.1	94.1	95.7	96.0	97.3	97.8	97.8	98.9	99.1	99.1	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

720246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ .	≥ 0
NO CEILING	33.9	46.4	47.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	35.9	50.6	52.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	35.9	50.6	52.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	36.9	50.7	52.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	36.9	51.0	52.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	36.9	51.7	53.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	38.8	54.9	56.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000	39.0	55.1	56.9	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	40.2	57.9	60.0	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	40.3	59.3	61.4	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	42.1	61.8	64.0	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 5000	45.9	66.7	69.1	70.9	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	46.7	68.0	70.4	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	49.4	72.0	74.5	76.3	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	51.5	74.5	77.1	79.0	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	52.4	76.6	79.5	81.7	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	55.0	80.5	83.9	86.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	55.3	81.8	85.7	88.3	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	56.3	82.3	86.2	88.8	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	56.3	83.0	87.0	89.9	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	56.6	83.5	87.6	90.5	91.7	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1000	56.6	84.0	88.5	91.5	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	56.6	84.1	88.6	91.7	93.1	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	56.6	84.1	88.7	92.1	93.6	93.8	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	56.6	84.2	89.1	92.7	94.2	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	56.6	84.2	89.2	93.3	95.3	95.5	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	56.6	84.2	89.4	93.8	95.8	96.0	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	56.6	84.2	89.4	93.9	96.1	96.4	97.3	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	56.6	84.3	89.8	94.1	96.2	96.5	97.8	98.3	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	56.6	84.3	89.6	94.1	96.2	96.5	97.9	98.4	98.4	98.9	99.2	99.2	99.5	99.5	99.6	99.6
≥ 100	56.6	84.3	89.6	94.1	96.2	96.5	97.9	98.4	98.4	99.0	99.3	99.3	99.6	99.6	99.8	99.9
≥ 0	56.6	84.3	89.6	94.1	96.2	96.5	97.9	98.4	98.4	99.0	99.3	99.3	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 824

SEAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

730246
 STATION

MANSFIELD LAHM MAP OH
 STATION NAME

73-81
 YEARS

OCT
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	41.2	51.1	51.8	53.2	54.0	54.1	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	43.0	53.1	53.9	55.3	56.0	56.1	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	43.0	53.1	53.9	55.3	56.0	56.1	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	43.0	53.1	53.9	55.3	56.0	56.1	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	43.5	53.9	54.6	56.0	56.8	56.9	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	44.4	55.4	56.1	57.5	58.4	58.6	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	46.0	57.4	58.2	59.6	60.5	60.6	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	46.0	57.5	58.3	59.7	60.6	60.7	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	47.9	60.6	61.3	62.9	63.8	63.9	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	48.3	61.5	62.2	63.8	64.6	64.8	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	50.4	64.6	65.4	66.9	67.8	67.9	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	53.9	69.6	70.5	72.1	73.1	73.3	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4500	54.0	69.7	70.6	72.4	73.4	73.5	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	55.5	72.4	73.3	75.2	76.3	76.4	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3500	57.4	74.8	75.7	77.6	78.7	78.8	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	58.0	76.4	77.3	79.6	80.7	80.9	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	59.6	79.1	80.0	82.3	83.4	83.5	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	60.8	81.5	82.6	85.4	86.8	86.9	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	61.0	82.0	83.1	85.9	87.6	87.7	88.2	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	62.0	83.9	85.3	88.3	90.0	90.1	90.6	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	62.1	84.3	85.9	89.0	90.6	90.7	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	62.1	84.7	86.4	89.6	91.5	91.6	92.1	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	62.1	84.8	86.6	89.7	91.8	91.9	92.4	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	62.1	85.0	87.3	90.6	92.6	92.8	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 700	62.1	85.0	87.3	90.7	92.8	92.9	93.4	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	62.1	85.2	87.5	91.0	93.0	93.2	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	62.1	85.6	87.8	91.6	93.8	94.0	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400	62.1	85.6	88.0	91.9	94.9	95.4	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	62.1	85.8	88.3	92.3	95.8	96.3	97.5	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	62.1	85.8	88.3	92.3	95.8	96.5	97.6	98.1	98.1	98.5	98.7	98.7	98.9	98.9	98.9	98.9
≥ 100	62.1	85.8	88.3	92.3	95.8	96.5	97.6	98.1	98.1	98.5	98.7	98.7	98.9	98.9	99.0	99.0
≥ 0	62.1	85.8	88.3	92.3	95.8	96.5	97.6	98.1	98.1	98.5	98.7	98.7	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

789

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

775246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	25.7	43.6	44.9	45.9	47.0	47.2	47.5	47.9	47.9	48.0	48.1	48.1	48.1	48.1	48.1	46.2
≥ 20000	27.7	47.6	49.0	50.1	51.2	51.4	51.8	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4
≥ 18000	27.7	47.6	49.0	50.1	51.2	51.4	51.8	52.1	52.1	52.2	52.3	52.3	52.3	52.4	52.4	52.4
≥ 16000	27.7	47.6	49.1	50.1	51.3	51.5	51.8	52.1	52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.5
≥ 14000	27.9	48.1	49.6	50.7	51.8	52.0	52.4	52.7	52.7	52.8	52.9	52.9	52.9	52.9	53.0	53.0
≥ 12000	28.2	49.1	50.6	51.8	52.9	53.1	53.5	53.8	53.8	53.9	54.0	54.0	54.1	54.1	54.1	54.1
≥ 10000	29.5	51.9	53.4	54.7	55.9	56.1	56.4	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.1	57.1
≥ 9000	29.7	52.4	54.7	55.2	56.4	56.6	57.0	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.7
≥ 8000	30.6	54.3	55.9	57.3	58.5	58.7	59.0	59.4	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7
≥ 7000	31.1	55.4	57.1	58.5	59.8	60.0	60.4	60.7	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.1
≥ 6000	32.0	57.3	59.0	60.4	61.7	62.0	62.3	62.7	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0
≥ 5000	33.8	60.4	62.1	63.7	65.1	65.4	65.8	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.5
≥ 4500	34.5	61.8	63.7	65.3	66.8	67.1	67.5	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.2
≥ 4000	35.4	63.5	65.5	67.1	68.6	68.9	69.4	69.7	69.7	69.8	70.0	70.0	70.0	70.0	70.0	70.1
≥ 3500	37.0	66.2	68.3	70.0	71.5	71.8	72.3	72.6	72.6	72.8	72.9	72.9	72.9	72.9	73.0	73.0
≥ 3000	38.2	68.8	71.0	72.8	74.5	74.9	75.3	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.1
≥ 2500	40.3	72.8	75.2	77.3	79.0	79.4	79.9	80.3	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.7
≥ 2000	41.5	75.6	78.3	80.6	82.5	82.8	83.4	83.7	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.2
≥ 1800	41.7	76.2	78.9	81.3	83.2	83.6	84.2	84.5	84.5	84.8	84.9	84.9	84.9	84.9	84.9	85.0
≥ 1500	42.4	77.9	80.8	83.3	85.4	85.8	86.4	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.2	87.2
≥ 1200	42.5	78.7	81.7	84.4	86.5	87.0	87.6	88.0	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.5
≥ 1000	42.6	79.4	82.7	85.5	87.9	88.3	89.0	89.4	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.9
≥ 900	42.6	79.7	83.1	85.9	88.3	88.8	89.5	89.9	89.9	90.2	90.3	90.3	90.3	90.3	90.4	90.4
≥ 800	42.6	80.0	83.5	86.5	89.0	89.5	90.3	90.8	90.8	91.1	91.3	91.3	91.3	91.3	91.4	91.4
≥ 700	42.7	80.3	83.9	87.0	89.6	90.2	91.1	91.7	91.7	92.1	92.2	92.2	92.3	92.3	92.3	92.3
≥ 600	42.7	80.5	84.2	87.7	90.5	91.2	92.2	92.8	92.8	93.2	93.4	93.4	93.4	93.4	93.5	93.5
≥ 500	42.7	80.7	84.7	88.4	91.3	92.1	93.2	94.0	94.0	94.5	94.7	94.7	94.7	94.7	94.8	94.8
≥ 400	42.7	80.8	84.8	88.7	92.0	93.0	94.4	95.4	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 300	42.7	80.9	84.9	88.9	92.3	93.5	95.1	96.2	96.3	97.2	97.5	97.5	97.6	97.6	97.6	97.7
≥ 200	42.7	80.9	84.9	89.0	92.4	93.6	95.5	96.6	96.7	97.8	98.3	98.3	98.5	98.6	98.7	98.8
≥ 100	42.7	80.9	84.9	89.0	92.4	93.6	95.5	96.7	96.7	97.8	98.4	98.4	98.8	98.9	99.0	99.3
≥ 0	42.7	80.9	84.9	89.0	92.4	93.6	95.5	96.7	96.7	97.8	98.4	98.4	98.8	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-80
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-3200
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.4	35.8	37.2	37.2	37.2	37.2	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.8	37.3
≥ 20000	33.2	39.0	40.5	40.5	40.5	40.5	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0
≥ 18000	33.2	39.0	40.5	40.5	40.5	40.5	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0
≥ 16000	33.2	39.0	40.5	40.5	40.5	40.5	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0
≥ 14000	33.7	40.2	41.6	41.6	41.6	41.6	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.1
≥ 12000	33.8	41.0	42.4	42.4	42.4	42.4	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0
≥ 10000	35.5	44.7	46.3	46.3	46.3	46.3	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8
≥ 9000	35.6	44.8	46.4	46.4	46.4	46.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.0	47.0
≥ 8000	36.4	46.0	47.5	47.5	47.5	47.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1	48.1
≥ 7000	37.5	47.1	48.7	48.7	48.7	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2
≥ 6000	38.6	49.1	50.9	50.9	50.9	50.9	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5
≥ 5000	42.3	54.5	56.9	57.0	57.0	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6
≥ 4500	42.1	54.7	57.1	57.3	57.3	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.9	57.9
≥ 4000	43.7	57.3	60.1	60.3	60.3	60.3	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 3500	45.1	59.7	62.9	63.2	63.2	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.1	64.1
≥ 3000	46.0	61.2	64.8	65.5	65.5	65.5	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3
≥ 2500	48.2	64.1	67.6	68.3	68.3	68.3	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.2	69.2
≥ 2000	51.5	68.6	72.4	73.3	73.4	73.4	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.3
≥ 1800	52.2	69.3	73.1	74.0	74.1	74.1	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.0	75.0
≥ 1500	55.2	74.0	78.1	79.2	79.5	79.5	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5
≥ 1200	55.9	75.4	79.6	80.8	81.0	81.0	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0
≥ 1000	56.7	79.2	83.9	85.0	85.3	85.4	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4
≥ 900	56.7	79.3	84.2	85.3	85.6	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 800	57.0	80.3	85.1	86.7	87.0	87.1	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4
≥ 700	57.0	80.9	85.9	87.6	87.8	88.0	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3
≥ 600	57.1	82.9	88.0	90.2	90.9	91.1	91.8	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.6	92.6
≥ 500	57.1	83.3	89.0	92.1	93.2	93.6	94.6	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.5	95.5
≥ 400	57.1	83.5	89.4	92.8	94.6	95.2	96.6	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7
≥ 300	57.1	83.6	89.5	92.9	94.8	95.3	96.9	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.2	98.2
≥ 200	57.1	83.6	89.5	92.9	94.8	95.3	97.0	97.6	97.6	98.3	98.3	98.3	98.3	98.4	98.6	98.6
≥ 100	57.1	83.6	89.5	92.9	94.8	95.3	97.0	97.6	97.6	98.3	98.4	98.4	98.4	99.0	99.6	100.0
≥ 0	57.1	83.6	89.5	92.9	94.8	95.3	97.0	97.6	97.6	98.3	98.4	98.4	98.4	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 707

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73246

MANSFIELD LAHM MAP OH

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS-157

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	26.0	34.1	35.0	35.6	36.5	36.5	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000	29.2	37.6	38.6	39.1	40.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 18000	29.2	37.6	38.6	39.1	40.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 16000	29.2	37.6	38.6	39.1	40.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 14000	29.7	38.6	39.5	40.2	41.1	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 12000	30.1	39.4	40.3	41.0	42.0	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 10000	31.5	41.3	42.2	42.9	43.9	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 9000	31.5	41.3	42.2	42.9	43.9	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 8000	32.2	43.1	44.0	44.7	45.8	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 7000	33.0	44.4	45.4	46.0	47.1	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 6000	34.1	46.2	47.1	47.8	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 5000	35.7	51.0	52.2	52.9	54.0	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4500	35.8	51.2	52.5	53.1	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 4000	37.3	53.3	54.8	55.6	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 3500	38.3	55.2	56.9	57.9	59.3	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 3000	40.3	58.3	60.1	61.2	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 2500	42.1	61.2	63.4	64.6	65.9	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2000	45.5	66.3	69.3	70.7	72.1	72.1	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800	46.0	67.0	70.2	71.7	73.0	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1500	48.6	71.0	74.7	76.7	78.3	78.3	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1200	49.3	73.3	77.1	79.2	80.9	80.9	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1000	49.7	75.7	79.8	82.3	84.2	84.2	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 900	50.3	76.6	80.7	83.2	85.3	85.3	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 800	50.5	78.5	82.8	85.6	87.6	87.6	88.3	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	50.5	79.3	84.1	86.8	88.8	88.8	89.5	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.3	90.3
≥ 600	50.5	80.0	84.7	87.7	90.2	90.3	91.0	91.1	91.1	91.6	91.6	91.6	91.6	91.6	92.0	92.0
≥ 500	50.8	80.7	86.0	89.2	91.7	91.8	92.6	93.1	93.1	93.6	93.6	93.6	93.6	93.6	94.0	94.0
≥ 400	50.8	80.8	86.4	90.3	93.2	93.7	94.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	96.0	96.0
≥ 300	50.8	80.8	86.5	90.5	93.3	93.9	94.8	95.2	95.2	95.8	95.8	95.8	95.8	95.8	96.2	96.2
≥ 200	50.8	80.8	86.5	90.6	93.5	94.3	95.1	95.8	95.8	96.6	96.6	96.7	96.7	97.0	97.4	97.4
≥ 100	50.8	80.8	86.5	90.6	93.5	94.0	95.1	95.8	95.8	96.7	97.3	97.3	97.3	97.5	98.6	99.0
≥ 0	50.8	80.8	86.5	90.6	93.5	94.0	95.1	95.8	95.8	96.7	97.4	97.4	97.4	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 739

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

721246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	8.9	26.0	27.3	28.1	29.2	29.4	29.9	30.3	30.3	30.7	30.8	30.8	30.8	30.8	30.8	30.8
≥ 20000	9.6	28.7	30.4	31.2	32.3	32.6	33.1	33.5	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000	9.6	28.7	30.4	31.2	32.3	32.6	33.1	33.5	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	9.6	28.7	30.4	31.2	32.3	32.6	33.1	33.5	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0
≥ 14000	10.6	29.8	31.6	32.3	33.5	33.7	34.2	34.6	34.6	35.0	35.1	35.1	35.1	35.1	35.1	35.1
≥ 12000	11.7	31.8	33.6	34.3	35.5	35.7	36.2	36.6	36.6	37.0	37.1	37.1	37.1	37.1	37.1	37.1
≥ 10000	12.8	34.5	36.5	37.5	38.7	39.0	39.5	39.9	39.9	40.3	40.4	40.4	40.4	40.4	40.4	40.4
≥ 9000	13.0	35.2	37.2	38.2	39.5	39.7	40.3	40.6	40.6	41.0	41.1	41.1	41.1	41.1	41.1	41.1
≥ 8000	13.7	37.1	39.2	40.3	41.6	41.9	42.4	42.9	42.9	43.4	43.5	43.5	43.5	43.5	43.5	43.5
≥ 7000	14.2	38.4	40.5	41.6	43.0	43.3	43.8	44.3	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9
≥ 6000	14.8	39.5	41.6	42.9	44.3	44.5	45.0	45.5	45.5	46.0	46.2	46.2	46.2	46.2	46.2	46.2
≥ 5000	15.3	41.9	44.2	45.4	46.8	47.0	47.5	48.1	48.1	48.6	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4500	16.5	43.8	46.0	47.4	48.9	49.3	49.8	50.3	50.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1
≥ 4000	16.6	44.7	47.2	48.6	50.1	50.4	50.9	51.4	51.4	51.9	52.2	52.2	52.2	52.2	52.2	52.2
≥ 3500	18.2	47.8	50.4	51.8	53.3	53.7	54.5	55.0	55.0	55.6	55.8	55.8	55.8	55.8	55.8	55.8
≥ 3000	19.7	51.8	54.7	56.1	57.6	58.0	58.7	59.2	59.2	59.9	60.1	60.1	60.1	60.1	60.1	60.1
≥ 2500	20.6	56.5	59.9	61.5	63.0	63.4	64.2	64.7	64.7	65.4	65.7	65.7	65.7	65.7	65.7	65.7
≥ 2000	21.6	60.0	63.5	65.1	66.9	67.3	68.1	68.6	68.6	69.3	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1800	21.9	62.0	65.5	67.4	69.1	69.6	70.3	70.8	70.8	71.6	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1500	23.4	65.8	69.8	71.7	73.3	74.0	74.7	75.2	75.2	76.0	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1200	24.3	68.7	73.1	75.2	77.0	77.7	78.5	79.0	79.0	79.7	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1000	24.7	71.4	76.1	78.5	80.4	81.4	82.5	83.1	83.1	84.0	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	24.7	72.2	76.9	79.4	81.4	82.4	83.5	84.2	84.2	85.0	85.4	85.4	85.4	85.4	85.4	85.4
≥ 800	24.8	72.8	77.7	80.5	82.6	83.6	84.8	85.7	85.7	86.5	86.9	86.9	86.9	86.9	86.9	86.9
≥ 700	24.8	74.0	79.1	82.0	84.4	85.4	86.5	87.5	87.5	88.4	88.8	88.8	88.8	88.8	88.8	88.8
≥ 600	24.9	74.8	80.3	83.4	86.0	87.0	88.3	89.4	89.4	90.6	90.9	90.9	91.2	91.2	91.2	91.2
≥ 500	24.9	75.3	80.8	84.0	86.9	88.1	89.8	91.2	91.2	92.3	92.7	92.7	93.0	93.0	93.0	93.0
≥ 400	24.9	75.3	81.0	84.5	87.7	88.9	90.9	92.5	92.5	93.7	94.1	94.1	94.3	94.3	94.3	94.3
≥ 300	24.9	75.3	81.0	84.7	87.9	89.3	91.4	93.0	93.0	94.6	95.1	95.1	95.3	95.5	95.5	95.5
≥ 200	24.9	75.3	81.0	84.8	88.1	89.4	91.8	93.6	93.6	95.6	96.2	96.2	96.9	97.1	97.1	97.1
≥ 100	24.9	75.3	81.0	84.8	88.1	89.4	91.9	93.7	93.7	95.7	96.4	96.4	97.0	97.2	98.0	98.7
≥ 0	24.9	75.3	81.0	84.8	88.1	89.4	91.9	93.7	93.7	95.7	96.4	96.4	97.0	97.2	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
US/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	5.7	26.4	28.7	28.7	30.0	30.4	30.9	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 20000	6.2	29.8	32.3	33.0	34.5	34.9	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 18000	6.2	29.8	32.3	33.0	34.5	34.9	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 16000	6.5	30.0	32.5	33.3	34.8	35.2	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 14000	6.9	30.5	33.0	33.8	35.3	35.7	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 12000	6.9	31.2	33.7	34.4	35.9	36.3	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 10000	7.9	34.3	37.2	38.2	39.8	40.1	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 9000	8.1	35.3	38.2	39.2	40.8	41.1	41.9	42.1	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 8000	8.1	36.0	39.4	40.4	42.1	42.5	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 7000	8.4	37.8	41.4	42.6	44.5	45.0	45.8	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 6000	8.4	37.9	41.5	42.9	44.8	45.3	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 5000	8.6	39.0	42.8	44.1	46.0	46.5	47.3	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 4500	8.9	40.8	44.5	45.9	47.8	48.3	49.0	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 4000	9.1	41.9	45.8	47.1	49.0	49.5	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 3500	9.4	44.3	48.5	50.1	52.1	52.6	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 3000	10.1	47.4	52.1	53.7	55.7	56.4	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 2500	11.3	52.5	57.6	59.5	61.5	62.1	63.2	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 2000	12.3	58.0	63.7	65.7	68.0	68.6	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1800	12.7	59.9	65.6	67.6	69.8	70.4	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1500	13.7	64.8	70.8	73.3	75.8	76.7	78.3	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	13.8	66.7	72.9	75.6	78.2	79.1	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1000	14.0	68.2	74.7	77.6	80.5	81.4	83.4	83.9	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 900	14.0	69.0	75.8	78.9	82.0	83.0	85.2	85.7	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0
≥ 800	14.0	69.6	76.7	80.0	83.2	84.2	86.4	87.2	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5
≥ 700	14.0	69.8	77.1	80.7	84.4	85.8	88.2	88.9	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	14.0	70.2	77.4	81.2	85.2	86.5	89.2	90.1	90.1	91.0	91.4	91.4	91.5	91.5	91.5	91.5
≥ 500	14.0	70.3	77.6	81.5	85.5	87.3	90.3	91.3	91.5	92.9	93.3	93.3	93.4	93.4	93.4	93.4
≥ 400	14.0	70.3	77.6	81.7	85.7	87.4	90.8	92.3	92.6	94.1	94.6	94.6	94.9	94.9	94.9	94.9
≥ 300	14.0	70.3	77.6	81.7	85.7	87.4	90.9	92.6	93.1	95.1	95.6	95.6	95.9	95.9	95.9	95.9
≥ 200	14.0	70.3	77.6	81.7	85.7	87.4	91.0	92.9	93.5	96.1	97.4	97.4	97.9	97.9	98.1	98.1
≥ 100	14.0	70.3	77.6	81.7	85.7	87.4	91.0	92.9	93.5	96.1	97.5	97.5	98.3	98.3	98.6	99.3
≥ 0	14.0	70.3	77.6	81.7	85.7	87.4	91.0	92.9	93.5	96.1	97.5	97.5	98.3	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 802

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2031

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

701246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	11.9	27.9	28.5	29.1	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 20000	13.2	33.2	33.9	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 18000	13.2	33.2	33.9	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 16000	13.2	33.2	33.9	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 14000	13.4	33.5	34.3	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 12000	13.7	35.3	36.2	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 10000	14.2	37.5	38.3	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 9000	14.2	38.1	39.0	39.8	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 8000	14.6	39.3	40.2	41.1	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 7000	15.1	41.5	42.5	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 6000	15.1	42.4	43.5	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 5000	15.3	43.5	44.6	45.8	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 4500	15.5	46.3	47.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 4000	15.6	46.3	47.4	48.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 3500	16.5	49.4	53.6	52.2	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3000	17.2	52.1	53.2	54.9	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 2500	19.4	59.5	60.7	62.4	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 2000	21.8	66.7	68.1	70.1	71.0	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 1800	22.1	69.0	70.4	72.6	73.5	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1500	23.0	74.1	76.5	79.6	80.8	81.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	23.1	75.8	78.6	81.8	83.2	83.4	84.6	84.7	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1000	23.2	76.9	80.3	84.0	85.9	86.0	87.4	87.5	87.5	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	23.2	77.4	81.1	85.0	87.3	87.4	88.8	88.9	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	23.2	78.1	81.7	86.1	88.5	88.7	90.2	90.5	90.5	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	23.2	78.4	82.3	86.9	89.4	89.7	91.7	92.4	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	23.2	78.7	82.7	87.8	90.4	90.8	93.2	94.1	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	23.2	78.7	82.7	87.9	90.5	91.2	93.8	95.5	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400	23.2	78.7	82.7	87.9	90.7	91.3	94.5	96.3	96.5	97.1	97.4	97.4	97.5	97.5	97.5	97.5
≥ 300	23.2	78.7	82.7	87.9	90.7	91.3	94.6	96.6	96.7	97.9	98.2	98.2	98.4	98.4	98.4	98.4
≥ 200	23.2	78.7	82.7	87.9	90.7	91.3	94.6	96.7	96.8	98.5	99.1	99.1	99.4	99.6	99.6	99.6
≥ 100	23.2	78.7	82.7	87.9	90.7	91.3	94.6	96.7	96.8	98.5	99.1	99.1	99.4	99.6	99.6	99.7
≥ 0	23.2	78.7	82.7	87.9	90.7	91.3	94.6	96.7	96.8	98.5	99.1	99.1	99.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 72246 MANSFIELD LAHM MAP OH

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1952
MONTHLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	13.4	28.9	29.1	29.2	29.2	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000	14.8	34.1	34.7	35.1	35.2	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 18000	14.8	34.1	34.7	35.1	35.2	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 16000	14.8	34.1	34.7	35.1	35.2	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 14000	15.1	34.6	35.2	35.6	35.7	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000	15.2	35.8	36.6	37.0	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 10000	16.5	38.2	39.0	39.4	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 9000	17.1	39.5	40.3	40.6	40.8	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 8000	17.6	41.0	41.8	42.2	42.3	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 7000	18.0	43.3	44.1	44.4	44.6	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 6000	18.0	43.8	44.6	44.9	45.1	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 5000	18.4	45.4	46.2	46.6	46.7	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 4500	19.1	48.4	49.2	49.6	49.7	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 4000	19.1	49.1	50.1	50.5	50.8	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 3500	19.4	51.6	52.8	53.7	54.1	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3000	20.8	55.3	56.6	57.5	58.0	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 2500	23.4	62.3	63.7	64.7	65.3	65.6	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2000	24.3	68.1	69.7	71.0	71.9	72.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 1800	24.6	69.9	71.5	73.0	73.9	74.2	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1500	24.7	71.5	74.8	76.7	78.0	78.5	79.6	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1200	24.9	74.7	77.1	79.2	80.9	81.4	82.9	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.7	83.7
≥ 1000	24.9	76.1	78.7	81.1	83.4	83.9	85.8	86.1	86.1	86.7	86.8	86.8	86.8	86.8	87.0	87.0
≥ 900	24.9	76.6	79.7	82.2	84.6	85.2	87.3	87.6	87.6	88.2	88.4	88.4	88.4	88.4	88.5	88.5
≥ 800	24.9	77.2	80.6	83.2	85.8	86.7	89.2	89.5	89.5	90.1	90.3	90.3	90.3	90.3	90.4	90.4
≥ 700	24.9	77.8	81.5	84.4	87.3	88.2	91.0	91.4	91.4	92.2	92.3	92.3	92.3	92.3	92.4	92.4
≥ 600	24.9	78.2	81.9	85.2	88.2	89.1	92.5	92.9	92.9	93.9	94.1	94.1	94.1	94.1	94.2	94.2
≥ 500	24.9	78.4	82.0	85.4	88.9	89.7	93.3	93.8	93.9	95.1	95.3	95.3	95.6	95.6	95.7	95.7
≥ 400	24.9	78.4	82.0	85.4	88.9	89.7	93.5	94.3	94.4	96.2	96.5	96.5	96.8	96.8	97.0	97.0
≥ 300	24.9	78.4	82.0	85.4	88.9	89.7	93.5	94.6	94.7	96.8	97.3	97.3	97.7	97.8	98.0	98.0
≥ 200	24.9	78.4	82.0	85.4	88.9	89.7	93.5	94.7	94.8	97.2	98.0	98.0	98.5	98.5	99.1	99.1
≥ 100	24.9	78.4	82.0	85.4	88.9	89.7	93.5	94.7	94.8	97.2	98.0	98.0	98.7	99.1	99.4	99.6
≥ 0	24.9	76.4	82.0	85.4	88.9	89.7	93.5	94.7	94.8	97.2	98.0	98.0	98.7	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 790

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

000246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	26.4	36.6	36.6	36.6	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	28.4	40.8	41.4	41.4	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	28.4	40.8	41.4	41.4	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	28.4	40.8	41.4	41.4	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	29.2	41.9	42.5	42.5	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 12000	29.2	42.0	42.8	42.8	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 10000	29.9	43.5	44.3	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 9000	30.9	44.9	45.7	45.7	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 8000	31.6	46.0	46.8	46.9	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 7000	32.5	47.5	48.3	48.6	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 6000	33.6	49.7	50.4	50.8	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 5000	35.3	52.5	53.2	53.6	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 4500	36.2	54.5	55.5	55.8	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4000	38.2	57.4	58.4	58.9	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3500	43.0	60.5	61.6	62.1	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3000	42.5	64.3	65.7	66.5	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 2500	44.8	68.1	69.6	70.4	71.4	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2000	47.8	72.2	74.3	75.5	76.6	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800	47.8	72.6	74.8	76.0	77.1	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1500	48.2	74.2	77.2	78.6	80.0	80.3	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	48.3	75.1	78.1	79.7	81.1	81.5	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1000	48.4	76.7	80.0	81.9	83.3	84.0	84.4	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 900	48.4	77.4	80.8	82.9	84.3	85.2	85.5	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 800	48.4	78.5	81.9	84.2	86.2	87.0	87.5	87.9	87.9	88.3	88.3	88.3	88.4	88.4	88.4	88.4
≥ 700	48.4	79.2	82.8	85.0	87.4	88.4	89.3	89.7	89.7	90.2	90.2	90.2	90.3	90.3	90.3	90.3
≥ 600	48.6	80.1	84.2	86.8	89.6	90.7	91.7	92.2	92.2	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 500	48.6	80.8	85.4	88.2	91.3	92.6	93.8	94.5	94.5	95.1	95.1	95.1	95.2	95.3	95.3	95.3
≥ 400	48.6	80.8	85.5	88.6	91.9	93.2	94.6	95.2	95.2	95.8	95.8	95.8	96.1	96.2	96.2	96.2
≥ 300	48.6	80.8	85.5	88.6	92.5	93.7	95.5	96.1	96.1	97.2	97.5	97.5	97.7	98.0	98.0	98.0
≥ 200	48.6	80.8	85.7	88.7	92.8	94.1	95.8	96.6	96.6	98.1	98.5	98.5	98.9	99.1	99.1	99.1
≥ 100	48.6	80.8	85.7	88.7	92.8	94.1	95.8	96.6	96.6	98.1	98.6	98.6	99.2	99.6	99.7	99.7
≥ 0	48.6	80.8	85.7	88.7	92.8	94.1	95.8	96.6	96.6	98.1	98.6	98.6	99.2	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-246 HANSFIELD LAHM MAP OH

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	33.6	39.5	43.2	40.3	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.7	40.7	40.7
≥20000	34.8	40.9	41.5	41.7	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.0	42.0
≥18000	34.8	40.9	41.5	41.7	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.0	42.0
≥16000	34.8	40.9	41.5	41.7	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.0	42.0
≥14000	35.2	41.9	42.6	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.1	43.1	43.1
≥12000	35.6	42.3	42.9	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.6	43.6	43.6
≥10000	38.0	45.5	46.2	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8
≥9000	38.5	46.1	46.8	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.5	47.5
≥8000	38.6	46.2	47.2	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.9	47.9	47.9
≥7000	39.6	47.3	48.4	48.6	48.6	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
≥6000	41.4	51.6	51.8	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4
≥5000	44.6	54.9	56.6	56.9	57.2	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
≥4500	45.1	55.7	57.3	57.7	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5
≥4000	47.9	59.0	60.9	61.4	61.6	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5
≥3500	48.7	61.2	63.3	63.8	64.0	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9
≥3000	51.0	64.4	66.4	67.2	67.4	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3
≥2500	53.0	67.0	69.2	69.9	70.5	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.5
≥2000	58.8	74.1	76.4	77.3	77.8	77.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
≥1800	59.0	74.4	76.8	77.7	78.2	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.2	79.2	79.2
≥1500	61.0	77.8	80.2	81.3	81.9	82.1	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2
≥1200	61.1	78.8	81.2	82.3	83.1	83.2	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3
≥1000	61.2	80.4	83.5	84.7	85.7	85.9	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.4	87.4	87.4
≥900	61.4	81.1	84.5	85.9	87.0	87.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.9	88.9	88.9
≥800	61.5	81.9	85.7	87.6	88.9	89.1	90.5	90.9	90.9	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥700	61.6	82.3	86.2	88.1	89.4	89.8	91.2	91.5	91.5	91.8	91.8	91.8	91.8	91.9	91.9	91.9
≥600	61.6	83.2	87.4	89.9	91.3	92.0	93.4	93.8	93.8	94.1	94.1	94.1	94.1	94.3	94.3	94.3
≥500	61.6	83.5	87.9	90.8	92.4	93.2	94.7	95.2	95.2	95.6	95.6	95.6	95.6	95.8	95.8	95.8
≥400	61.6	83.6	88.0	91.4	93.7	94.6	96.2	96.8	96.8	97.2	97.2	97.2	97.2	97.5	97.5	97.5
≥300	61.6	83.6	88.1	91.5	94.2	95.2	97.1	97.7	97.7	98.1	98.2	98.2	98.2	98.5	98.5	98.5
≥200	61.6	83.6	88.1	91.5	94.3	95.3	97.3	98.1	98.1	98.7	98.9	98.9	98.9	99.4	99.4	99.4
≥100	61.6	83.6	88.1	91.5	94.3	95.3	97.3	98.1	98.1	98.9	99.1	99.1	99.1	99.7	99.7	99.7
≥0	61.6	83.6	88.1	91.5	94.3	95.3	97.3	98.1	98.1	98.9	99.2	99.2	99.2	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 792

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	19.3	31.7	32.7	33.0	33.5	33.7	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 20000	20.9	35.4	36.6	37.0	37.6	37.7	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
≥ 18000	20.9	35.4	36.6	37.0	37.6	37.7	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
≥ 16000	21.0	35.5	36.6	37.0	37.6	37.7	38.0	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2
≥ 14000	21.4	36.3	37.5	37.9	38.5	38.6	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 12000	21.8	37.3	38.5	38.9	39.5	39.6	39.9	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1
≥ 10000	23.0	39.8	41.2	41.7	42.3	42.4	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	23.4	40.6	41.9	42.4	43.0	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7
≥ 8000	23.8	41.8	43.2	43.8	44.4	44.5	44.8	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1
≥ 7000	24.5	43.3	44.8	45.4	46.1	46.3	46.6	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 6000	25.2	44.8	46.4	47.0	47.7	47.8	48.1	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4
≥ 5000	26.6	47.7	49.4	50.2	50.9	51.0	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4500	27.1	49.3	51.1	51.8	52.6	52.8	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.4
≥ 4000	28.1	51.0	52.9	53.8	54.6	54.8	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 3500	29.1	53.6	55.8	56.7	57.6	57.8	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6
≥ 3000	30.6	56.8	59.1	60.2	61.1	61.3	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1
≥ 2500	32.5	61.3	63.9	65.1	66.1	66.3	66.9	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2
≥ 2000	35.1	66.7	69.7	71.1	72.2	72.4	73.1	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.5	73.5
≥ 1800	35.4	68.0	71.0	72.5	73.6	73.8	74.5	74.6	74.6	74.8	74.8	74.8	74.9	74.9	74.9	74.9
≥ 1500	36.8	71.7	75.2	77.1	78.4	78.8	79.6	79.8	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.1
≥ 1200	37.2	73.5	77.2	79.2	80.7	81.0	82.0	82.2	82.2	82.4	82.5	82.5	82.5	82.5	82.6	82.6
≥ 1000	37.5	75.5	79.6	81.8	83.6	84.0	85.2	85.4	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	37.5	76.1	80.4	82.8	84.6	85.2	86.4	86.6	86.6	87.0	87.1	87.1	87.1	87.1	87.2	87.2
≥ 800	37.6	77.0	81.5	84.2	86.2	86.7	88.1	88.5	88.5	88.9	89.0	89.0	89.1	89.1	89.1	89.1
≥ 700	37.6	77.7	82.3	85.1	87.4	88.0	89.5	90.0	90.0	90.5	90.6	90.6	90.6	90.6	90.7	90.7
≥ 600	37.7	78.4	83.2	86.5	88.9	89.7	91.4	92.0	92.0	92.6	92.8	92.8	92.9	92.9	92.9	92.9
≥ 500	37.7	78.8	83.8	87.3	90.0	90.9	92.8	93.7	93.7	94.5	94.6	94.6	94.8	94.8	94.9	94.9
≥ 400	37.7	78.8	84.0	87.7	90.7	91.7	93.9	94.9	95.0	95.9	96.1	96.1	96.3	96.3	96.4	96.4
≥ 300	37.7	78.8	84.0	87.8	90.9	91.9	94.3	95.4	95.5	96.7	97.0	97.0	97.2	97.2	97.3	97.3
≥ 200	37.7	78.8	84.0	87.8	91.0	92.0	94.5	95.7	95.8	97.4	97.9	97.9	98.3	98.3	98.6	98.6
≥ 100	37.7	78.8	84.0	87.8	91.0	92.0	94.5	95.7	95.8	97.4	98.1	98.1	98.6	98.8	99.2	99.5
≥ 0	37.7	78.8	84.0	87.8	91.0	92.0	94.5	95.7	95.8	97.4	98.1	98.1	98.6	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6208

GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-80
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	24.6	29.1	29.4	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥20000	25.7	30.6	30.9	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥18000	25.7	30.6	30.9	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥16000	25.7	30.6	30.9	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥14000	27.2	32.3	32.6	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥12000	27.7	33.2	33.5	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥10000	29.5	36.1	36.5	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥9000	29.7	36.3	36.7	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥8000	30.8	37.5	37.9	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥7000	32.1	39.4	39.8	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥6000	33.5	41.2	41.6	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥5000	36.1	44.9	45.5	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥4500	36.1	45.1	45.6	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥4000	37.9	47.7	48.8	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥3500	39.7	50.7	51.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥3000	40.5	53.0	54.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥2500	42.0	56.2	58.2	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥2000	47.0	63.0	65.8	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥1800	47.0	63.6	66.3	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥1500	50.7	69.4	72.7	75.5	76.0	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥1200	51.1	70.9	74.5	77.9	78.3	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥1000	51.6	72.3	75.8	79.7	80.6	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥900	52.1	72.9	76.5	80.4	81.3	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥800	52.3	73.8	77.5	81.5	82.7	82.8	83.1	83.1	83.1	83.2	83.2	83.2	83.4	83.4	83.4	83.4
≥700	52.3	74.6	78.6	82.6	84.1	84.2	84.5	84.5	84.5	84.6	84.6	84.6	84.8	84.8	84.8	84.8
≥600	52.5	75.7	79.9	84.3	86.3	86.4	86.8	86.8	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1
≥500	52.5	75.8	80.4	86.3	88.5	88.6	89.7	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1
≥400	52.5	76.0	81.0	87.6	90.7	90.8	92.3	92.7	92.7	93.1	93.1	93.1	93.3	93.3	93.3	93.3
≥300	52.5	76.0	81.0	87.6	90.9	91.1	93.3	93.8	93.8	94.6	94.6	94.6	94.8	94.8	94.8	94.8
≥200	52.5	76.0	81.0	87.6	91.3	91.8	94.1	94.8	94.8	96.0	96.4	96.4	96.8	96.8	97.1	97.3
≥100	52.5	76.0	81.0	87.6	91.3	91.8	94.1	94.9	94.9	96.2	96.8	96.8	97.4	97.5	98.5	98.8
≥0	52.5	76.0	81.0	87.6	91.3	91.8	94.1	94.9	94.9	96.2	96.8	96.8	97.5	97.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 728

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	21.9	27.9	28.4	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 20000	22.9	29.3	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 18000	22.9	29.3	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 16000	22.9	29.3	29.8	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 14000	23.6	30.0	30.5	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 12000	24.3	31.8	32.3	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 10000	25.3	34.4	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 9000	25.7	34.9	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 8000	26.7	36.3	36.8	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 7000	27.1	37.3	37.8	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 6000	28.8	39.8	40.4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 5000	31.8	44.5	45.3	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 4500	31.8	44.6	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 4000	32.9	46.1	47.1	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 3500	34.7	48.0	49.5	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 3000	34.9	50.5	52.1	53.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 2500	36.3	53.1	55.1	56.2	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 2000	39.7	60.2	63.1	64.3	65.4	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1800	40.4	61.1	64.1	65.4	66.6	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 1500	42.5	65.4	69.4	71.2	72.6	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 1200	42.9	66.6	70.7	72.8	74.5	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1000	43.7	69.1	74.0	76.3	78.4	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 900	43.8	69.8	74.7	77.1	79.5	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 800	44.1	71.1	76.4	79.5	81.8	82.6	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 700	44.2	71.9	77.5	80.9	83.8	84.6	85.2	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 600	44.2	72.8	78.4	82.2	85.2	86.0	86.8	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 500	44.2	73.4	79.3	83.2	86.9	87.7	88.6	88.6	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	44.2	73.6	79.6	84.0	88.2	89.0	90.6	91.0	91.0	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 300	44.2	73.6	79.6	84.0	88.5	89.3	91.1	91.5	91.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	44.2	73.6	79.6	84.0	89.0	89.8	91.9	92.5	92.5	94.2	94.9	94.9	95.3	95.3	95.5	95.5
≥ 100	44.2	73.6	79.6	84.0	89.0	89.9	92.0	92.7	92.7	94.4	95.0	95.0	95.9	95.9	97.3	98.0
≥ 0	44.2	73.6	79.6	84.0	89.0	89.9	92.0	92.7	92.7	95.2	95.8	95.8	96.7	96.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 764

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70246

MANSFIELD LAHM MAP OH

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-7000
HOURS 1-11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	11.9	22.8	23.5	23.9	24.2	24.4	24.6	24.6	24.6	24.8	24.8	24.8	24.8	24.9	25.0	25.1
≥ 20000	12.9	25.0	26.1	26.6	27.1	27.3	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.8	27.9	28.0
≥ 18000	12.9	25.0	26.1	26.6	27.1	27.3	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.8	27.9	28.0
≥ 16000	12.9	25.0	26.1	26.6	27.1	27.3	27.5	27.5	27.5	27.7	27.7	27.7	27.7	27.8	27.9	28.0
≥ 14000	13.1	26.0	27.1	27.5	28.0	28.3	28.5	28.5	28.5	28.6	28.6	28.6	28.6	28.8	28.9	29.0
≥ 12000	13.8	26.8	27.9	28.4	28.9	29.1	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.6	29.7	29.9
≥ 10000	14.2	28.4	29.5	30.0	30.5	30.7	30.9	30.9	30.9	31.1	31.1	31.1	31.1	31.2	31.3	31.4
≥ 9000	14.6	29.1	30.2	30.7	31.2	31.4	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.9	32.0	32.2
≥ 8000	15.1	30.3	31.4	31.9	32.4	32.6	32.9	32.9	32.9	33.0	33.0	33.0	33.0	33.1	33.3	33.4
≥ 7000	15.9	32.2	33.3	33.7	34.2	34.5	34.7	34.7	34.7	34.8	34.8	34.8	34.8	35.0	35.1	35.2
≥ 6000	16.0	32.9	34.0	34.5	35.0	35.2	35.4	35.4	35.4	35.6	35.6	35.6	35.6	35.7	35.8	35.9
≥ 5000	16.5	34.0	35.1	35.6	36.0	36.3	36.5	36.5	36.5	36.7	36.7	36.7	36.7	36.8	36.9	37.0
≥ 4500	17.1	36.4	37.7	38.6	39.2	39.6	39.8	39.8	39.8	39.9	39.9	39.9	39.9	40.0	40.2	40.3
≥ 4000	17.1	36.9	38.2	39.1	39.8	40.2	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.7	40.8	40.9
≥ 3500	17.7	39.4	40.9	41.7	42.7	43.1	43.3	43.3	43.3	43.6	43.6	43.6	43.6	43.7	43.8	43.9
≥ 3000	18.6	42.4	43.8	44.7	45.6	46.0	46.2	46.4	46.4	46.6	46.6	46.6	46.6	46.7	46.8	47.0
≥ 2500	19.8	47.0	48.9	49.9	51.0	51.3	51.6	51.7	51.7	51.9	51.9	51.9	51.9	52.1	52.2	52.3
≥ 2000	21.5	52.2	55.0	56.7	58.0	58.4	58.6	58.9	58.9	59.1	59.1	59.1	59.1	59.2	59.3	59.5
≥ 1800	21.5	53.4	56.4	58.4	60.0	60.4	60.9	61.2	61.2	61.4	61.4	61.4	61.4	61.5	61.7	61.8
≥ 1500	22.3	57.3	61.0	63.5	65.2	65.8	66.5	66.7	66.7	67.1	67.2	67.2	67.2	67.4	67.5	67.6
≥ 1200	23.4	60.3	64.2	66.7	68.7	69.4	70.4	70.8	70.8	71.1	71.2	71.2	71.2	71.4	71.5	71.6
≥ 1000	24.0	62.4	66.6	69.4	71.5	72.2	73.3	73.9	73.9	74.4	74.5	74.5	74.5	74.6	74.8	74.9
≥ 900	24.3	63.1	67.4	70.8	73.1	74.0	75.1	75.7	75.7	76.3	76.5	76.5	76.5	76.6	76.7	76.8
≥ 800	24.3	63.7	68.3	71.7	74.3	75.2	76.3	76.9	76.9	77.7	77.8	77.8	77.8	77.9	78.0	78.2
≥ 700	24.5	64.2	68.8	73.2	76.1	77.2	78.3	79.0	79.0	79.7	80.1	80.1	80.1	80.2	80.3	80.5
≥ 600	24.8	66.1	71.6	76.4	80.3	81.4	82.6	83.6	83.6	84.5	84.8	84.8	84.8	85.0	85.1	85.2
≥ 500	24.8	67.0	72.8	78.3	82.9	84.2	85.4	86.7	86.7	87.6	88.2	88.2	88.2	88.5	88.6	88.7
≥ 400	24.8	67.2	73.3	79.2	84.4	86.4	88.0	89.2	89.2	90.3	91.0	91.0	91.0	91.3	91.4	91.5
≥ 300	24.8	67.7	73.8	79.7	85.2	87.1	88.7	89.9	89.9	91.1	91.9	91.9	92.2	92.5	92.7	92.8
≥ 200	24.8	67.7	73.8	79.7	85.4	87.4	89.2	90.7	90.7	92.6	93.7	93.7	94.7	94.9	95.5	95.8
≥ 100	24.8	67.7	73.8	79.7	85.4	87.4	89.2	90.7	90.7	92.7	93.9	93.9	95.5	96.1	97.1	98.5
≥ 0	24.8	67.7	73.8	79.7	85.4	87.4	89.2	90.7	90.7	92.7	93.9	93.9	95.5	96.1	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3900-1100
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	7.3	20.8	21.5	22.2	23.1	23.3	23.5	23.5	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.8
≥ 20000	8.3	24.3	25.1	25.8	26.8	27.1	27.7	27.8	27.8	27.9	27.9	27.9	27.9	27.9	27.9	28.0
≥ 18000	8.3	24.3	25.1	25.8	26.8	27.1	27.7	27.8	27.8	27.9	27.9	27.9	27.9	27.9	27.9	28.0
≥ 16000	8.5	24.5	25.4	26.1	27.1	27.3	27.9	28.0	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.3
≥ 14000	8.6	24.8	25.6	26.3	27.3	27.5	28.2	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.5
≥ 12000	8.9	25.6	26.5	27.2	28.2	28.4	29.1	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.5
≥ 10000	9.7	28.2	29.2	30.0	30.9	31.2	31.9	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.3
≥ 9000	10.0	29.5	30.6	31.3	32.3	32.5	33.3	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.6
≥ 8000	10.6	30.8	32.4	33.1	34.1	34.3	35.1	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.4
≥ 7000	10.9	32.8	34.5	35.2	36.2	36.4	37.1	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.5
≥ 6000	11.0	33.1	34.8	35.6	36.5	36.8	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.9
≥ 5000	11.4	34.2	35.9	36.7	37.6	37.9	38.7	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.1
≥ 4500	11.7	35.4	37.1	38.0	39.1	39.3	40.2	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.7
≥ 4000	11.7	36.2	37.9	39.0	40.4	40.7	41.5	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	42.0
≥ 3500	11.9	37.6	39.4	40.7	42.1	42.4	43.2	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.7
≥ 3000	12.1	39.7	41.5	42.8	44.4	44.7	45.8	46.0	46.0	46.2	46.4	46.4	46.4	46.4	46.4	46.5
≥ 2500	13.1	44.4	46.6	47.9	49.6	49.9	51.2	51.6	51.6	51.8	51.9	51.9	51.9	51.9	51.9	52.1
≥ 2000	13.6	48.7	51.2	53.0	54.9	55.5	56.9	57.5	57.5	57.9	58.1	58.1	58.1	58.1	58.1	58.3
≥ 1800	14.0	49.6	52.3	54.2	56.1	56.7	58.1	58.7	58.7	59.2	59.5	59.5	59.5	59.5	59.5	59.6
≥ 1500	14.2	53.9	57.0	59.2	61.3	62.0	64.4	65.0	65.0	65.7	65.9	65.9	65.9	65.9	65.9	66.0
≥ 1200	14.4	57.0	60.6	63.2	65.9	67.0	69.7	70.5	70.5	71.1	71.4	71.4	71.4	71.4	71.4	71.5
≥ 1000	14.7	58.4	62.6	65.5	68.4	69.7	72.5	73.5	73.5	74.5	74.9	74.9	75.0	75.0	75.0	75.1
≥ 900	14.7	58.7	63.1	66.4	69.4	70.8	74.0	75.2	75.2	76.5	76.8	76.8	76.9	76.9	76.9	77.1
≥ 800	14.7	59.0	63.5	67.1	70.3	71.6	75.1	76.5	76.5	78.0	78.6	78.6	78.8	78.8	78.8	78.9
≥ 700	14.7	59.8	64.4	68.3	71.7	73.1	77.1	78.5	78.5	80.3	81.2	81.2	81.3	81.3	81.3	81.4
≥ 600	14.7	60.4	66.0	70.5	74.8	76.5	80.9	82.8	82.8	85.0	86.2	86.2	86.3	86.3	86.3	86.4
≥ 500	14.7	60.6	66.3	71.1	75.8	77.7	82.6	85.1	85.1	87.7	89.1	89.1	89.4	89.4	89.4	89.6
≥ 400	14.7	60.6	66.3	71.2	76.6	78.5	83.9	86.7	86.7	89.3	91.0	91.0	91.6	91.6	91.6	91.7
≥ 300	14.7	60.6	66.3	71.4	76.7	78.8	84.5	87.3	87.3	90.3	92.2	92.2	93.2	93.3	93.4	93.7
≥ 200	14.7	60.6	66.3	71.4	76.7	78.8	84.7	87.6	87.6	91.5	94.3	94.3	96.0	96.6	97.0	97.3
≥ 100	14.7	60.6	66.3	71.4	76.7	78.8	84.7	87.6	87.6	91.5	94.4	94.4	96.2	96.8	97.6	99.0
≥ 0	14.7	60.6	66.3	71.4	76.7	78.8	84.7	87.6	87.6	91.5	94.4	94.4	96.2	96.8	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	9.1	19.5	27.1	20.4	21.1	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.3
≥20000	10.9	25.5	26.1	26.4	27.1	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.3
≥18000	10.9	25.5	26.1	26.4	27.1	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.3
≥16000	11.0	25.6	26.2	26.6	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.4
≥14000	11.3	25.8	26.4	26.8	27.4	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.7
≥12000	11.3	27.1	27.7	28.0	28.6	28.6	28.6	28.6	28.6	28.6	28.8	28.8	28.8	28.8	28.8	28.9
≥10000	12.6	30.0	30.6	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.8
≥9000	12.6	30.5	31.1	31.5	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.3
≥8000	13.0	32.1	32.7	33.0	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.9
≥7000	13.2	32.6	33.3	33.7	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.5
≥6000	13.7	33.7	34.4	34.8	35.4	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.6
≥5000	14.0	34.8	35.6	36.0	36.6	36.7	36.7	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	37.0
≥4500	14.1	35.6	36.5	36.8	37.5	37.6	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.8
≥4000	14.1	35.7	36.6	37.0	37.6	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.9
≥3500	14.1	37.1	38.1	38.4	39.0	39.3	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.7
≥3000	15.2	39.9	41.0	41.5	42.2	42.6	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	43.0
≥2500	17.1	44.7	46.1	46.8	47.6	48.2	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.7
≥2000	18.1	50.4	52.1	53.1	54.2	55.1	55.3	55.6	55.6	56.1	56.4	56.4	56.4	56.4	56.4	56.5
≥1800	18.5	52.6	54.7	55.8	57.0	57.9	58.3	58.5	58.5	59.0	59.3	59.5	59.5	59.5	59.5	59.6
≥1500	18.5	58.1	60.7	62.2	63.4	64.5	65.5	66.1	66.1	67.0	67.6	67.6	67.7	67.7	67.7	67.8
≥1200	18.5	61.6	64.6	66.6	67.9	69.3	70.5	71.2	71.2	72.1	72.8	72.8	72.9	72.9	72.9	73.1
≥1000	18.8	63.4	66.7	69.2	71.0	72.3	73.7	74.8	74.8	75.9	77.2	77.2	77.6	77.6	77.6	77.7
≥900	18.8	63.5	67.0	69.6	71.6	72.9	74.8	76.1	76.1	77.2	78.6	78.6	78.9	78.9	78.9	79.1
≥800	18.8	64.5	68.5	71.8	74.3	75.6	78.0	79.3	79.3	80.4	81.8	81.8	82.1	82.1	82.1	82.3
≥700	18.8	65.5	69.9	73.6	76.6	78.2	81.7	82.3	82.3	83.6	85.1	85.1	85.4	85.7	85.7	85.8
≥600	18.8	66.0	70.4	74.1	77.6	79.2	81.8	83.6	83.6	85.1	86.8	86.8	87.3	87.5	87.5	87.6
≥500	18.8	66.2	70.6	74.5	78.5	80.5	83.5	85.6	85.6	87.4	89.1	89.1	89.8	90.2	90.2	90.3
≥400	18.8	66.3	70.7	74.6	78.9	81.0	84.2	86.8	86.5	88.7	90.7	90.7	91.4	91.8	91.8	92.0
≥300	18.8	66.3	70.7	74.6	78.9	81.2	85.1	88.0	88.0	90.2	92.5	92.5	93.8	94.1	94.1	94.4
≥200	18.8	66.3	70.7	74.6	78.9	81.2	85.1	88.5	88.5	91.1	94.5	94.5	96.1	96.6	96.6	96.8
≥100	18.8	66.3	70.7	74.6	78.9	81.2	85.1	88.6	88.6	91.4	95.0	95.0	97.2	97.9	98.3	99.3
≥0	18.8	66.3	70.7	74.6	78.9	81.2	85.1	88.6	88.6	91.4	95.0	95.0	97.2	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	9.5	21.9	22.5	22.5	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 20000	11.5	28.3	28.9	28.9	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 18000	11.5	28.3	28.9	28.9	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 16000	11.5	28.3	28.9	28.9	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 14000	11.9	28.6	29.2	29.2	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 12000	12.4	30.1	30.7	30.7	30.8	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 10000	13.3	31.4	32.1	32.1	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 9000	13.3	32.1	32.7	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 8000	13.6	34.4	35.0	35.0	35.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 7000	14.1	35.3	35.9	35.9	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 6000	14.5	36.0	36.6	36.6	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 5000	15.0	37.3	38.1	38.1	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 4500	15.7	39.1	39.8	39.9	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 4000	15.7	39.1	39.9	40.0	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 3500	16.3	40.9	41.8	42.0	42.5	42.9	42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 3000	17.1	45.0	46.1	46.6	47.3	47.7	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 2500	17.8	49.1	50.4	51.0	51.8	52.5	52.7	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 2000	18.3	52.7	54.3	55.4	56.5	57.2	57.6	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 1800	18.7	54.9	56.8	57.9	59.1	60.0	60.4	60.8	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3
≥ 1500	19.3	62.3	64.5	66.0	67.6	68.8	69.7	70.6	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1200	19.3	65.0	67.3	68.9	70.8	72.0	73.1	74.4	74.4	75.2	75.7	75.7	75.8	75.8	75.8	75.8
≥ 1000	19.4	67.3	69.8	71.7	73.7	75.2	76.3	78.1	78.1	79.1	79.9	79.9	80.0	80.0	80.0	80.0
≥ 900	19.7	67.9	70.6	73.2	75.3	76.8	78.1	80.2	80.2	81.4	82.2	82.2	82.3	82.3	82.3	82.3
≥ 800	19.7	68.4	71.3	74.2	76.5	78.4	80.1	82.3	82.3	83.8	84.5	84.5	84.6	84.6	84.6	84.6
≥ 700	19.7	68.6	71.6	74.7	77.3	79.2	81.0	83.3	83.3	84.8	85.6	85.6	85.9	85.9	85.9	85.9
≥ 600	19.7	68.9	72.0	75.2	77.9	80.1	82.1	84.6	84.6	86.5	87.5	87.5	88.2	88.2	88.2	88.2
≥ 500	19.7	69.2	72.2	75.6	78.4	80.8	83.0	86.1	86.1	88.0	88.9	88.9	89.8	89.8	89.8	89.8
≥ 400	19.8	69.7	72.7	76.0	79.0	82.1	84.4	86.2	88.2	90.7	91.8	91.8	92.6	92.6	92.6	92.6
≥ 300	19.8	69.7	72.7	76.0	79.0	82.4	85.0	89.4	89.4	92.5	93.9	93.9	95.2	95.2	95.3	95.3
≥ 200	19.8	69.7	72.7	76.0	79.0	82.4	85.1	89.7	89.7	93.1	94.8	94.8	96.9	96.9	97.1	97.2
≥ 100	19.8	69.7	72.7	76.0	79.0	82.4	85.1	89.7	89.7	93.1	95.0	95.0	97.4	97.9	98.3	99.1
≥ 0	19.8	69.7	72.7	76.0	79.0	82.4	85.1	89.7	89.7	93.1	95.0	95.0	97.4	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 814

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725246

MANSFIELD LAHM MAP OH

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS-UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	17.1	22.6	22.8	23.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 20000	18.9	26.3	26.5	26.9	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 18000	18.9	26.3	26.5	26.9	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
IV 16000	19.3	26.5	26.8	27.1	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 14000	19.2	27.0	27.3	27.6	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 12000	19.7	28.0	28.2	28.6	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 10000	21.5	30.2	30.5	30.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
IV 9000	21.5	30.3	30.6	30.9	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 8000	22.4	31.9	32.2	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
IV 7000	22.9	32.6	32.8	33.2	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
IV 6000	23.9	33.9	34.2	34.5	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 5000	25.9	37.0	37.2	37.6	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 4500	27.1	39.1	39.3	39.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 4000	27.9	40.4	40.7	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 3500	29.1	43.1	43.8	44.4	45.3	45.3	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 3000	30.8	46.5	47.5	48.3	49.4	49.4	49.4	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8
IV 2500	31.9	49.9	51.2	52.3	53.5	53.6	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 2000	35.1	56.5	58.0	60.7	62.3	62.4	62.5	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 1800	35.8	58.1	59.7	62.8	64.4	64.5	64.6	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 1500	37.7	64.0	66.2	69.7	71.6	71.8	71.9	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1200	38.6	66.3	68.8	72.7	74.8	75.0	75.1	75.7	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1000	38.6	67.2	69.8	74.1	76.4	76.7	77.2	77.9	77.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 900	38.8	67.7	70.7	75.5	78.2	78.4	79.2	79.9	79.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 800	38.8	68.3	71.5	76.6	79.7	80.3	81.0	81.8	81.8	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 700	38.8	68.4	71.8	77.3	80.4	81.0	82.1	82.9	82.9	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 600	38.8	68.7	72.6	78.5	81.6	82.2	83.7	84.6	84.6	85.7	85.7	85.7	85.7	85.9	85.9	85.9
IV 500	38.8	68.9	73.1	79.4	83.6	84.5	86.2	87.2	87.2	88.4	88.5	88.5	89.1	89.1	89.1	89.1
IV 400	38.8	69.3	73.6	80.3	85.8	87.1	89.4	90.5	90.5	92.1	92.2	92.2	93.1	93.1	93.1	93.1
IV 300	38.8	69.3	73.6	80.3	85.8	87.1	89.4	90.6	90.6	92.8	93.3	93.3	94.2	94.2	94.2	94.2
IV 200	38.8	69.4	73.7	80.4	86.1	87.7	90.0	91.2	91.2	93.8	94.8	94.8	96.4	96.5	96.8	96.8
IV 100	38.8	69.4	73.7	80.4	86.1	87.7	90.0	91.2	91.2	94.0	95.1	95.1	96.9	97.4	97.9	98.5
IV 0	38.8	69.4	73.7	80.4	86.1	87.8	90.1	91.4	91.4	94.1	95.2	95.2	97.2	97.7	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 811

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

705246
STATION

HANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	26.4	30.5	31.0	31.3	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 20000	27.8	32.1	32.6	32.9	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 18000	27.8	32.1	32.6	32.9	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 16000	27.8	32.1	32.6	32.9	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 14000	29.9	33.2	33.7	34.0	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 12000	29.9	33.7	34.2	34.5	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 10000	31.1	36.0	36.5	36.9	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 9000	31.1	36.0	36.5	36.9	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 8000	33.0	38.3	38.8	39.2	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 7000	33.7	38.9	39.4	39.8	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 6000	34.2	40.0	40.5	40.9	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 5000	37.7	43.7	44.3	44.7	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 4500	37.6	44.6	45.3	45.8	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 4000	39.1	47.4	48.2	48.6	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 3500	40.2	49.0	49.9	50.6	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 3000	42.3	52.9	54.3	55.3	56.0	56.1	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 2500	43.7	55.5	57.1	58.4	59.3	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 2000	47.8	61.4	63.4	66.0	67.2	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 1800	48.3	62.3	64.3	66.8	68.1	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 1500	50.6	66.5	68.8	71.9	73.2	73.3	73.6	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1200	51.6	68.3	70.8	74.1	75.4	75.7	76.0	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1000	51.7	69.7	72.4	75.8	77.6	78.1	78.9	79.2	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7
≥ 900	51.8	70.3	73.0	76.5	78.4	78.9	79.6	80.0	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6
≥ 800	52.2	70.8	74.1	77.9	80.0	80.5	81.3	81.7	81.7	82.1	82.3	82.3	82.3	82.3	82.3	82.3
≥ 700	52.5	71.1	74.7	78.7	81.0	81.4	82.3	82.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3
≥ 600	52.6	71.6	75.7	80.0	82.2	82.9	84.0	84.5	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1
≥ 500	52.7	72.0	76.4	81.4	84.2	85.4	86.7	87.6	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2
≥ 400	52.7	72.2	76.8	82.1	85.4	87.7	90.9	91.9	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8
≥ 300	52.7	72.2	76.8	82.1	85.7	88.1	91.5	93.0	93.0	93.7	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	52.7	72.2	76.8	82.2	85.9	88.3	91.9	93.6	93.6	94.8	95.7	95.7	95.7	95.9	96.6	96.7
≥ 100	52.7	72.2	76.8	82.2	85.9	88.3	92.1	93.9	93.9	95.2	96.1	96.1	96.4	96.6	97.4	98.4
≥ 0	52.7	72.2	76.8	82.2	85.9	88.3	92.1	93.9	93.9	95.2	96.1	96.1	96.6	96.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 814

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	15.8	24.3	24.4	25.2	25.5	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8
≥ 20000	17.2	27.6	28.2	28.6	29.0	29.1	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3
≥ 18000	17.2	27.6	28.2	28.6	29.0	29.1	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3
≥ 16000	17.2	27.7	28.3	28.7	29.1	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.4
≥ 14000	17.8	28.4	29.0	29.4	29.8	29.9	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1
≥ 12000	18.2	29.5	30.1	30.5	30.9	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.2	31.2
≥ 10000	19.4	31.8	32.4	32.8	33.2	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.6	33.6
≥ 9000	19.6	32.3	32.9	33.3	33.7	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1
≥ 8000	20.5	33.9	34.6	35.0	35.4	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8	35.8
≥ 7000	21.0	35.0	35.8	36.2	36.6	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0
≥ 6000	21.7	36.2	37.0	37.4	37.8	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
≥ 5000	23.2	38.7	39.5	40.0	40.4	40.5	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8
≥ 4500	23.5	39.9	40.7	41.3	41.8	42.0	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3
≥ 4000	24.2	41.0	42.0	42.7	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7
≥ 3500	25.1	43.1	44.2	45.0	45.6	45.8	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2	46.2
≥ 3000	26.1	46.1	47.5	48.3	49.1	49.3	49.6	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.9
≥ 2500	27.4	49.9	51.6	52.6	53.5	53.8	54.1	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.5
≥ 2000	29.8	55.5	57.7	59.5	60.7	61.1	61.5	61.7	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.1
≥ 1800	30.2	56.8	59.2	61.1	62.4	62.9	63.3	63.5	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 1500	31.6	62.0	64.9	67.2	68.7	69.3	70.1	70.5	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.1
≥ 1200	32.1	64.4	67.5	70.2	71.9	72.6	73.5	74.1	74.1	74.5	74.7	74.7	74.7	74.7	74.7	74.8
≥ 1000	32.4	66.1	69.6	72.6	74.6	75.4	76.4	77.2	77.2	77.8	78.1	78.1	78.2	78.2	78.2	78.3
≥ 900	32.6	66.6	70.3	73.5	75.7	76.6	77.8	78.6	78.6	79.3	79.7	79.7	79.8	79.8	79.8	79.8
≥ 800	32.7	67.3	71.2	74.9	77.3	78.3	79.7	80.5	80.5	81.4	81.8	81.8	81.9	81.9	81.9	82.2
≥ 700	32.8	67.9	72.0	76.0	78.7	79.8	81.3	82.2	82.2	83.1	83.6	83.6	83.7	83.8	83.8	83.8
≥ 600	32.9	68.6	73.2	77.5	80.6	81.7	83.5	84.6	84.6	85.7	86.3	86.3	86.5	86.5	86.5	86.6
≥ 500	32.9	69.0	73.7	78.6	82.2	83.6	85.6	87.0	87.0	88.3	88.9	88.9	89.2	89.3	89.3	89.4
≥ 400	32.9	69.2	74.1	79.3	83.5	85.2	87.9	89.5	89.5	91.0	91.8	91.8	92.2	92.3	92.3	92.4
≥ 300	32.9	69.3	74.2	79.3	83.7	85.5	88.5	90.4	90.4	92.2	93.2	93.2	93.8	93.9	94.0	94.0
≥ 200	32.9	69.3	74.2	79.4	83.9	85.8	88.9	91.0	91.0	93.4	94.9	94.9	96.0	96.2	96.5	96.7
≥ 100	32.9	69.3	74.2	79.4	83.9	85.8	88.9	91.1	91.1	93.5	95.1	95.1	96.6	97.0	97.8	98.7
≥ 0	32.9	69.3	74.2	79.4	83.9	85.8	89.0	91.1	91.1	93.6	95.2	95.2	96.8	97.2	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6396

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (24)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	20.8	36.0	37.8	39.1	40.3	40.6	41.0	41.1	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	22.6	40.6	42.7	44.4	45.7	46.1	46.5	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	47.0
≥ 18000	22.6	40.6	42.8	44.4	45.7	46.1	46.5	46.7	46.7	46.9	46.9	46.9	46.9	46.9	47.0	47.0
≥ 16000	22.6	40.7	42.8	44.4	45.8	46.1	46.5	46.7	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.0
≥ 14000	22.9	41.2	43.3	45.0	46.4	46.8	47.2	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6
≥ 12000	23.3	42.3	44.6	46.3	47.7	48.1	48.6	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	24.5	45.1	47.6	49.5	51.1	51.5	52.0	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.5	52.5
≥ 9000	24.6	45.5	48.1	50.0	51.6	52.0	52.5	52.7	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0
≥ 8000	25.1	46.7	49.4	51.4	53.0	53.5	54.0	54.2	54.2	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 7000	25.5	47.7	50.4	52.4	54.1	54.6	55.1	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.7	55.7
≥ 6000	26.0	48.7	51.5	53.6	55.4	55.9	56.4	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	57.0
≥ 5000	27.2	51.6	54.6	57.0	58.9	59.5	60.1	60.3	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.7
≥ 4500	27.5	52.8	56.0	58.5	60.5	61.0	61.7	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.3	62.3
≥ 4000	28.1	54.1	57.5	60.0	62.1	62.7	63.4	63.7	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0
≥ 3500	28.9	56.1	59.7	62.4	64.6	65.2	65.9	66.2	66.2	66.4	66.5	66.5	66.5	66.6	66.6	66.6
≥ 3000	29.8	58.6	62.4	65.3	67.7	68.3	69.1	69.4	69.4	69.7	69.7	69.7	69.8	69.8	69.8	69.8
≥ 2500	30.8	61.6	65.7	68.8	71.3	72.1	72.9	73.3	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.8
≥ 2000	31.8	64.8	69.3	72.8	75.5	76.4	77.3	77.7	77.8	78.1	78.2	78.2	78.2	78.3	78.3	78.3
≥ 1800	32.0	65.6	70.2	73.7	76.5	77.3	78.3	78.8	78.8	79.2	79.3	79.3	79.3	79.3	79.3	79.4
≥ 1500	32.6	68.1	73.1	76.9	79.9	80.9	82.1	82.6	82.6	83.0	83.2	83.2	83.2	83.2	83.3	83.3
≥ 1200	32.8	69.3	74.5	78.6	81.8	82.8	84.1	84.7	84.8	85.2	85.4	85.4	85.4	85.5	85.5	85.5
≥ 1000	32.9	70.2	75.7	80.0	83.4	84.5	86.0	86.7	86.7	87.2	87.4	87.4	87.5	87.5	87.6	87.6
≥ 900	33.0	70.9	76.1	80.5	84.0	85.2	86.7	87.4	87.5	88.0	88.2	88.2	88.3	88.3	88.4	88.4
≥ 800	33.0	71.0	76.8	81.4	85.1	86.3	88.0	88.8	88.9	89.5	89.7	89.8	89.9	89.9	89.9	89.9
≥ 700	33.0	71.3	77.2	82.0	85.9	87.2	89.0	89.9	90.0	90.7	90.9	90.9	91.0	91.1	91.1	91.1
≥ 600	33.0	71.6	77.7	82.7	86.8	88.3	90.3	91.4	91.4	92.3	92.6	92.6	92.7	92.7	92.8	92.8
≥ 500	33.1	71.8	78.0	83.3	87.6	89.2	91.5	92.8	92.8	93.8	94.2	94.2	94.4	94.4	94.4	94.5
≥ 400	33.1	71.9	78.2	83.6	88.2	89.9	92.5	94.0	94.1	95.3	95.8	95.8	96.0	96.1	96.1	96.2
≥ 300	33.1	71.9	78.2	83.7	88.3	90.1	92.9	94.5	94.6	96.1	96.7	96.7	97.0	97.0	97.1	97.1
≥ 200	33.1	71.9	78.2	83.7	88.4	90.2	93.1	94.8	94.9	96.7	97.5	97.5	98.1	98.2	98.4	98.4
≥ 100	33.1	71.9	78.2	83.7	88.4	90.2	93.1	94.8	94.9	96.7	97.7	97.7	98.4	98.5	99.0	99.3
≥ 0	33.1	71.9	78.2	83.7	88.4	90.2	93.1	94.9	95.0	96.8	97.7	97.7	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 76494

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE
DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY
SIGNIFICANT.

SKY COVER

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN.	00-02	21.7			7.4						8.6	62.3	7.2	815
	03-05	20.6			7.8						8.4	63.3	7.3	811
	06-08	12.2			9.2						9.6	69.0	8.0	827
	09-11	9.0			10.9						12.9	67.2	8.2	819
	12-14	7.9			12.8						14.4	64.9	8.2	806
	15-17	8.7			10.4						16.2	64.7	8.2	817
	18-20	15.4			12.6						11.9	60.1	7.5	824
	21-23	18.8			11.6						12.5	57.1	7.2	816
TOTALS		14.3			10.3						11.8	63.6	7.7	6535

SKY COVER

73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	27.8			7.2						11.1	53.9	6.6	748
	03-05	23.7			9.1						9.5	57.7	6.9	750
	06-08	14.4			11.0						12.2	62.4	7.7	752
	09-11	14.0			12.6						15.2	58.2	7.6	749
	12-14	11.1			12.5						20.8	55.6	7.8	746
	15-17	10.5			14.3						17.5	57.7	7.8	749
	18-20	16.0			15.8						13.8	54.4	7.2	752
	21-23	25.4			11.7						10.9	51.9	6.5	751
TOTALS		17.9			11.8						13.9	56.5	7.3	5997

SKY COVER

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	27.9			11.9						8.6	51.6	6.3	825
	03-05	25.4			9.7						8.5	56.3	6.7	822
	06-08	16.4			13.8						10.7	59.1	7.3	819
	09-11	16.0			10.3						15.6	58.1	7.5	826
	12-14	11.5			11.7						17.6	59.2	7.9	824
	15-17	9.8			11.1						19.1	60.0	8.1	823
	18-20	13.3			13.3						17.8	55.5	7.6	818
	21-23	25.6			13.3						10.7	50.4	6.4	820
TOTALS		18.2			11.9						13.6	56.3	7.2	6577

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APR

MONTH

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SKY COVER

MAY

100% **GUARANTEED**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	36.5			14.9						12.0	36.5	5.2	824
	03-05	31.4			15.1						12.5	41.0	5.7	827
	06-08	22.7			14.5						17.5	45.3	6.5	825
	09-11	17.3			18.8						20.4	43.5	6.8	820
	12-14	10.0			20.9						27.1	42.1	7.3	820
	15-17	11.2			21.9						27.6	39.3	7.1	822
	18-20	15.6			23.3						21.1	40.1	6.6	816
	21-23	30.3			19.3						13.2	37.2	5.5	819
TOTALS		21.9			18.6						18.9	40.6	6.3	6573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725246

MANSFIELD LAHM MAP OH

73-81

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	39.8			20.8						11.6	27.8	4.4	794
	03-05	32.6			22.3						15.2	29.9	5.0	797
	06-08	19.7			22.5						22.2	35.6	6.2	792
	09-11	15.6			24.3						28.5	31.6	6.5	797
	12-14	7.3			24.3						36.3	32.1	7.2	797
	15-17	8.3			27.7						33.2	30.8	6.9	795
	18-20	13.2			28.4						30.4	28.0	6.4	793
	21-23	29.5			25.3						18.7	26.5	5.1	796
TOTALS		20.8			24.5						24.5	30.3	6.0	6361

USAFETAC

FORM 8-4-6 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	40.4			22.8						13.1	23.7	4.2	819
	03-05	37.8			20.5						15.6	26.1	4.6	813
	06-08	25.6			21.8						22.2	30.3	5.7	815
	09-11	18.9			24.1						30.4	26.5	6.1	825
	12-14	8.2			23.5						42.7	25.6	7.1	820
	15-17	8.9			26.9						39.7	24.4	6.8	828
	18-20	15.1			32.4						30.9	21.6	5.9	820
	21-23	31.8			26.8						21.9	19.6	4.7	818
TOTALS		23.3			24.9						27.1	24.7	5.6	6558

SKY COVER

AUG

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	38.1			23.2						10.4	28.3	4.5	738
	03-05	31.7			22.8						11.3	34.1	5.1	785
	06-08	17.7			22.0						19.5	40.9	6.5	815
	09-11	14.5			22.9						26.1	36.4	6.7	811
	12-14	5.4			24.3						36.2	34.0	7.4	814
	15-17	6.4			27.3						36.4	30.0	7.1	818
	18-20	12.7			29.1						28.9	29.3	6.4	819
	21-23	27.1			27.5						17.0	28.5	5.2	765
TOTALS		19.2			24.9						23.2	32.7	6.1	6365

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SKY COVER

725246

MANSFIELD LAHM MAP OH

73-81

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	47.1			15.7						11.3	25.8	4.1	705
	03-05	42.9			16.2						10.3	30.5	4.5	764
	06-08	29.5			18.1						15.3	37.2	5.6	786
	09-11	21.4			19.5						22.1	37.1	6.3	796
	12-14	12.7			20.4						32.9	34.0	7.0	796
	15-17	14.0			23.6						29.0	33.3	6.7	792
	18-20	21.6			24.6						23.7	30.1	5.9	790
	21-23	40.9			19.5						12.6	27.0	4.4	763
TOTALS		28.8			19.7						19.7	31.9	5.6	6192

USAFETAC

FORM
JUL 64

9-9-6 (DL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

OCT

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	39.5			14.0						11.1	35.4	5.0	729
	03-05	39.7			11.1						12.2	37.0	5.1	761
	06-08	27.0			19.0						15.2	38.7	5.8	821
	09-11	22.3			16.0						19.7	42.1	6.5	813
	12-14	16.3			17.3						24.6	41.7	6.9	820
	15-17	17.6			19.9						21.0	41.6	6.6	820
	18-20	27.8			18.4						18.0	35.8	5.8	824
	21-23	34.8			17.9						14.7	32.6	5.1	788
TOTALS		28.1			16.7						17.1	38.1	5.9	6396

SKY COVER

NOV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
NOV	0-02	27.5			8.8						13.3	50.4	6.5	708
	03-05	23.9			11.9						10.9	53.3	6.7	733
	06-08	19.1			10.8						12.7	57.4	7.2	796
	09-11	13.0			14.5						14.5	58.0	7.5	800
	12-14	9.3			16.0						16.0	58.6	7.8	793
	15-17	9.6			14.1						18.6	57.7	7.9	792
	18-20	22.0			12.4						14.6	51.0	6.8	796
	21-23	27.0			12.2						11.7	49.1	6.3	793
TOTALS		18.9			12.6						14.0	54.4	7.1	6211

2

SKY COVER

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	19.5			10.3						10.6	59.6	7.2	728
	03-05	19.1			9.0						7.4	64.5	7.4	766
	06-08	14.3			8.6						10.2	66.9	7.9	821
	09-11	7.5			12.4						15.0	65.1	8.2	822
	12-14	6.3			10.1						18.9	64.8	8.5	815
	15-17	7.1			11.2						15.0	66.7	8.4	815
	18-20	14.5			7.5						13.5	64.5	7.9	813
	21-23	17.9			12.1						10.9	59.0	7.2	815
TOTALS		13.3			10.2						12.7	63.9	7.8	6395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725246

MANSFIELD LAHM MAP OH

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	14.3			10.3						11.8	63.6	7.7	6535
FEB		17.9			11.8						13.9	56.5	7.3	5997
MAR		18.2			11.9						13.6	56.3	7.2	6577
APR		22.1			15.3						16.4	46.3	6.6	6356
MAY		21.9			18.6						18.9	40.6	6.3	6573
JUN		20.8			24.5						24.5	30.3	6.0	6361
JUL		23.3			24.9						27.1	24.7	5.6	6558
AUG		19.2			24.9						23.2	32.7	6.1	6365
SEP		28.8			19.7						19.7	31.9	5.6	6192
OCT		28.1			16.7						17.1	38.1	5.9	6396
NOV		18.9			12.6						14.0	54.4	7.1	6211
DEC		13.3			10.2						12.7	63.9	7.8	6395
TOTALS		20.6			16.8						17.7	44.9	6.6	76516

USAFETAC

FORM 8-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

YEARS

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

725246

MANSFIELD LAHM MAP OH

49-54, 60-81

YEARS

STATION

STATION NAME

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85						.2	.3		.2				.1
80						2.7	9.3	3.9	2.3				1.5
75				.2	1.5	20.8	35.4	24.0	10.6	.1			7.8
70				1.4	11.2	47.1	66.2	60.0	24.4	3.5			18.0
65	.1		.1	7.9	26.8	70.6	89.5	84.1	45.7	13.6	.6		28.4
60			2.6	15.1	47.1	88.6	99.2	97.1	69.3	26.6	4.5	.1	37.7
55	.6	.4	6.7	27.0	66.7	97.1	100.0	99.8	87.4	43.4	11.3	1.3	45.4
50	1.8	1.9	14.4	42.7	84.3	99.9		100.0	96.3	63.6	20.4	3.9	52.7
45	5.9	6.6	22.8	60.4	95.0	100.0			99.8	81.7	35.2	9.8	60.0
40	14.4	14.2	36.9	79.2	98.8				100.0	93.0	52.7	17.3	67.4
35	24.7	27.7	55.0	91.9	99.9					98.3	71.5	31.5	75.2
30	39.9	44.4	72.2	98.1	100.0					99.9	87.5	49.5	82.8
25	54.0	62.1	87.4	99.5						100.0	94.5	68.5	88.9
20	68.1	75.1	94.6	100.0							98.6	83.2	93.4
15	79.5	84.7	98.3								99.6	92.1	96.2
10	89.7	93.0	99.5								100.0	96.0	98.2
5	95.4	97.6	100.0									98.6	99.3
0	98.3	99.5										99.7	99.8
-5	99.5	100.0										99.9	100.0
-10	99.9											100.0	100.0
-15	100.0												100.0
MEAN	25.8	27.3	36.5	48.2	58.7	68.3	72.0	70.4	63.8	53.2	40.8	29.5	49.5
S.D.	12.409	11.404	11.124	10.197	8.534	6.951	5.549	5.531	6.012	9.316	10.237	10.962	19.066
TOTAL OBS.	868	791	868	840	868	840	868	868	840	868	840	868	10227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

49-54, 60-81
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	61	60	69	72	85	91	93	92	80	83	72	60	93
50	69	62	74	68	82	88	86	89	83	78	77	55	89
51	59	57	67	78	81	89	87	93	86	85	63	61	93
52	60	51	64	79	86	97	92	88	92	84	69	60	97
53	57	56	70	74	87	94	92	94	97	85	68	63	97
54	55	65	65	80	85	89	97	89	95	85	70	52	97
60	57	54	70	85	83	86	87	87	90	79	65	62	90
61	49	67	70	75	80	88	89	88	89	80	75	62	89
62	57	57	73	82	92	90	88	92	85	80	66	66	92
63	47	49	75	78	86	91	91	86	85	85	64	54	91
64	55	52	66	81	88	91	93	95	93	77	72	62	95
65	60	58	56	75	84	87	96	92	85	73	68	58	96
66	52	53	71	76	80	92	93	85	84	75	65	66	93
67	63	55	76	77	88	92	89	87	83	82	60	63	92
68	47	56	72	77	81	90	91	93	86	83	78	54	93
69	59	50	70	83	89	91	91	90	89	84	58	45	91
70	57	55	62	83	84	94	92	92	91	79	67	67	94
71	54	59	69	78	82	97	90	85	89	84	71	64	97
72	63	65	72	76	85	90	92	87	87	76	71	62	98
73	60	54	72	80	78	89	90	92	92	79	69	63	98
74	62	55	67	80	85	87	93	89	81	76	70	46	93
75	60	60	66	73	85	87	93	91	78	80	72	60	93
76	48	63	75	82	77	88	89	83	82	76	57	54	89
77	28	56	78	79	86	83	95	88	88	72	73	58	98
78	49	38	71	78	88	92	94	90	91	75	70	56	94
79	55	50	73	77	85	85	86	87	82	79	67	58	87
80	53	57	60	78	80	84	93	88	86	76	68	61	93
81	49	59	75	79	81	87	93	84	82	76	70	54	93
MEAN	55.1	55.9	69.5	78.0	83.9	89.6	91.3	89.1	86.8	79.5	68.4	58.8	92.9
S.D.	7.824	6.814	4.903	3.656	3.431	3.436	2.863	3.138	4.714	3.958	3.036	3.657	2.635
TOTAL OBS.	868	791	868	840	848	840	858	868	840	868	840	868	10227

NOTES * BASED ON LESS THAN FULL MONTHS

1210 WE 0-80-3 (CL)

FORM 55-5584

4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725246 MANSFIELD LAHM MAP OH

49-54, 60-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	-3	6	10	24	31	41	56	48	35	28	14	6	-3
50	7	0	4	16	29	44	48	43	35	34	5	-8	-8
51	1	-11	14	28	39	43	51	46	34	28	10	-12	-12
52	2	15	16	28	37	47	49	46	41	21	10	11	2
53	3	7	10	25	40	49	49	49	39	33	18	1	1
54	3	4	10	18	30	42	48	48	40	28	23	-1	-1
60	8	8	-2	22	33	47	50	54	42	24	17	-9	-9
61	-10	-6	18	22	30	42	49	52	37	31	17	-7	-10
62	-12	-2	4	22	36	43	48	47	34	21	23	-8	-12
63	-20	-10	5	26	28	42	45	46	35	28	21	-6	-20
64	-5	4	10	11	37	42	52	45	39	23	10	4	-5
65	-9	-3	12	17	34	44	44	40	38	22	17	15	-9
66	-8	3	11	26	25	39	50	49	37	27	21	5	-8
67	0	-3	2	22	34	47	52	46	37	28	14	2	-3
68	-10	-4	7	23	31	50	47	49	44	29	25	5	-10
69	0	10	6	26	38	45	55	53	43	26	14	0	0
70	-6	-4	13	24	30	48	50	54	38	32	13	6	-6
71	-5	-6	12	20	30	44	50	47	43	34	14	12	-6
72	-15	-3	7	15	33	38	47	48	43	22	21	5	-15
73	4	-5	21	24	35	52	51	49	42	34	22	10	-5
74	-2	4	-2	27	30	45	50	53	34	25	13	10	-2
75	3	-7	8	21	37	44	52	48	36	25	23	3	-7
76	-6	-7	10	19	32	47	49	42	36	20	2	-10	-10
77	-20	-9	16	20	30	38	48	49	45	26	11	-5	-20
78	-4	-2	-1	27	26	46	46	49	37	28	19	3	-4
79	-11	-11	12	18	28	42	45	44	41	25	20	3	-11
80	2	-2	-6	26	33	38	51	56	37	25	20	-2	-6
81	-2	-4	16	25	35	45	51	50	39	24	19	6	-4
MEAN	-4.1	-1.4	8.7	22.2	32.5	44.1	49.4	48.2	38.6	26.8	16.3	1.5	-7.3
S.D.	7.410	6.622	6.915	4.289	3.911	3.887	2.767	3.745	3.304	4.110	5.702	7.366	5.508
TOTAL OBS.	868	791	868	840	868	840	868	868	840	868	840	868	10227

NOTES * BASED ON LESS THAN FULL MONTHS

1980 WGS 84 0-00-5 (OL1)

R (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																		
56/ 57		.4		.3														5		5																		
56/ 55		.4	.7	.1														9		9		3																
54/ 53		.3		.1	.1													4		4		5		4														
52/ 51		.1			.1													2		2		9		5														
50/ 49		.3		.5	.1													7		7				5														
48/ 47	.1	.7	.1	.1	.3													10		10		4		4														
46/ 45		.5	.3															6		8		10		6														
44/ 43	.1	.4	.7	.1														11		12		7		3														
42/ 41		.4	.1	.7														9		9		11		7														
40/ 39	.5	1.1	.4															15		18		11		8														
38/ 37	.4	1.7	.9	.1														24		24		19		4														
36/ 35	.7	3.0	2.0	.8														49		49		23		20														
34/ 33	.3	1.7	.3	.3														19		22		39		26														
32/ 31	.5	5.8	1.6															60		64		34		33														
30/ 29	1.5	4.0	.9	.4														51		53		72		34														
28/ 27	.9	3.6	.7															39		41		37		50														
26/ 25	.1	3.2	.7															31		34		44		47														
24/ 23	1.3	3.6	.3															39		39		44		19														
22/ 21	2.6	2.1	.7															41		47		43		43														
20/ 19	2.0	3.8	.6															50		58		34		47														
18/ 17	.8	3.7	.1															35		35		52		46														
16/ 15	1.3	2.9	.3															34		37		33		31														
14/ 13	2.0	1.6																27		30		36		38														
12/ 11	2.6	2.0																35		40		29		50														
10/ 9	2.4	1.7																31		39		36		45														
8/ 7	1.2	1.1																17		18		22		28														
6/ 5	1.1	.5																12		13		14		15														
4/ 3	1.6	1.6																24		24		22		17														
2/ 1	1.6	1.6																24		25		20		34														
0/ -1	1.3																	10		11		17		15														
-2/ -3	1.1																	8		9		8		15														
-4/ -5	.5																	4		7		4		13														
-6/ -7	.4																	3		3		3		15														
-8/ -9	.7																	5		5		5		10														
Element (X)	Σ X'					Σ X					Σ					Σ _A					No. Obs.					Mean No. of Hours with Temperature												
Rel. Hum.																										≤ 32 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

FORM 0-26-5 (OLA) REVERSED REVERSE SIDE OF THE FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 STATION MANSFIELD LAHM MAP OH

73-81

YEARS

JAN
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.3	.3															4	4		
56/ 55		.4	.1	.1														5	5	4	1
54/ 53		.4		.3														5	5	4	3
52/ 51	.1			.1	.1													3	3	4	7
50/ 49		.3	.3	.3														6	6	2	1
48/ 47		.5		.1	.3													7	7	5	1
46/ 45	.1	.1	.4	.7	.3													12	14	9	5
44/ 43		.9	.1	.1														9	10	1	2
42/ 41	.1	.8	.1															8	8	19	11
40/ 39	.7	.5	.5															13	13	13	15
38/ 37	.3	1.3	1.1	.1														21	23	13	6
36/ 35	.5	3.6	1.6	.4														46	47	22	13
34/ 33	.6	3.1	.9															36	40	43	29
32/ 31	.3	6.0	.3	.4														52	52	46	32
30/ 29	1.6	3.9	1.1	.4														52	52	53	50
28/ 27	.5	2.9	.8															32	35	34	34
26/ 25	2.0	3.9	.7															49	52	54	40
24/ 23	1.1	1.6	.1															21	22	46	28
22/ 21	2.4	2.5	.1															38	48	40	41
20/ 19	1.9	3.2	.7															43	50	27	47
18/ 17	2.1	2.7																36	37	45	45
16/ 15	1.9	2.5																33	35	37	37
14/ 13	.9	2.1																23	24	21	25
12/ 11	2.1	2.3																34	37	34	37
10/ 9	2.4	2.7																38	45	36	38
8/ 7	1.3	2.1																26	29	30	37
6/ 5	.5	.6																10	11	19	20
4/ 3	.9	1.1																15	16	15	15
2/ 1	1.3	1.6																22	23	21	27
0/ -1	1.6																	12	12	14	20
-2/ -3	1.5	.4																14	14	11	12
-4/ -5	.9																	7	9	10	15
-6/ -7	.3																	2	7	2	17
-8/ -9	.8																	6	6	6	12
Element (X)	ΣX ¹		ΣX		Σ		C _A		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) PREVIOUS EDITIONS OBSOLETE
JAN 64
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
58/ 57		.1																														1	1		
56/ 55		.2																														2	2	3	3
52/ 51	.1	.2	.2																													5	5	1	1
50/ 49		.2	.1																													3	3	2	2
48/ 47		1.0	.4																													11	11	4	
46/ 45	.1	.4	.5	.6																												13	13	11	10
44/ 43	.1	.9		.4																												11	11	11	7
42/ 41	.1	1.2																														11	11	14	14
40/ 39	.1	.6	.1																													7	7	10	7
38/ 37	.6	1.7	.2																													21	21	13	5
36/ 35	1.3	2.1	.2																													30	30	29	23
34/ 33	1.2	4.3	.6	.1																												51	51	33	32
32/ 31	2.0	3.9	.4																													51	51	58	40
30/ 29	1.8	4.0	.5																													52	52	52	48
28/ 27	.6	2.9	.2	.1																												32	32	37	37
26/ 25	2.3	2.6	.1																													41	41	41	37
24/ 23	1.6	2.7	.6	.1																												41	41	48	27
22/ 21	1.3	2.3	.4																													33	33	39	36
20/ 19	2.2	4.3																														53	53	39	38
18/ 17	3.2	2.4	.1																													46	46	55	39
16/ 15	2.1	4.3																														52	52	46	47
14/ 13	1.8	1.8																														30	30	38	52
12/ 11	2.9	2.0																														40	40	43	41
10/ 9	2.8	1.6																														36	37	39	37
8/ 7	1.6	2.2																														30	34	28	46
6/ 5	.9	1.6																														20	20	28	33
4/ 3	1.3	1.6																														24	24	24	23
2/ 1	1.0	.7																														14	14	14	24
0/ -1	1.1	.4																														12	12	10	12
-2/ -3	1.5	.4																														15	15	18	19
-4/ -5	.6																															5	5	5	14
-6/ -7	1.2																															9	9	9	19
-8/ -9	1.0																															8	8	8	6
-10/-11	.2																															2	2	2	13
Element (X)	Σ x ²					Σ x					Σ					Σ ²					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F					≤ 32 F				
Dry Bulb																										= 47 F					= 73 F				
Wet Bulb																										= 80 F					= 93 F				
Dew Point																															Total				

FORM 0-26-3 (OL A) REVERSED NEVIGUS NOTATIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEARS

JAN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-12/-13	.5																	4	4	4	7
-14/-15																					6
-16/-17																					8
-18/-19	.4																	3	3	3	3
-24/-25																					3
TOTAL	39.4	54.5	4.8	1.3														819	924	819	819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
59 / 59		.2																2	2	1					
58 / 57		.1																1	1	2	2				
56 / 55		.1																1	1		1				
54 / 53		.1				.1												2	2	1	1				
52 / 51		.1			.2													3	3	2	2				
50 / 49	.2	.1	.2	.4														8	8	2	2				
48 / 47		.9	.1	.2	.1													11	11	4					
46 / 45	.1	.5	.5	.2														11	11	11	6				
44 / 43		.6	.4															8	8	9	8				
42 / 41	.6	1.4	.6	.1														22	22	23	12				
40 / 39	.6	.7	.1	.1														13	13	15	14				
38 / 37		2.1	.4	.2														22	22	13	10				
36 / 35	.9	1.7	1.1	.2	.1													33	33	26	23				
34 / 33	1.6	4.3	.9	.1														56	57	40	34				
32 / 31	2.2	3.8	.7	.2														57	57	61	45				
30 / 29	1.2	2.3	1.1	.2														40	40	46	43				
28 / 27	.9	3.1	.9															39	39	44	31				
26 / 25	1.0	4.0	.9															47	47	34	35				
24 / 23	1.0	2.8	.6															33	36	56	35				
22 / 21	1.9	2.6	.4															39	39	45	27				
20 / 19	1.4	4.9	.2															53	53	42	47				
18 / 17	1.1	4.3																44	44	45	40				
16 / 15	1.6	4.9	.1															54	54	56	47				
14 / 13	1.7	2.5																34	34	40	46				
12 / 11	2.6	2.0																37	37	42	51				
10 / 9	1.5	2.6																35	35	28	40				
8 / 7	.9	2.3																26	29	33	49				
6 / 5	1.2	1.0																18	18	29	25				
4 / 3	.1	.5																5	5	7	20				
2 / 1	1.2	.5																17	18	14	23				
0 / -1	.7	.7																12	12	9	17				
-2 / -3	.6	.4																8	8	12	12				
-4 / -5	.6																	5	5	7	22				
-6 / -7	.5																	4	4	4	5				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		No. Obs.						
Rel. Hum.																			Mean No. of Hours with Temperature						
Dry Bulb																			≤ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVERSED MIRROR IMAGES OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEARS

JAN
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

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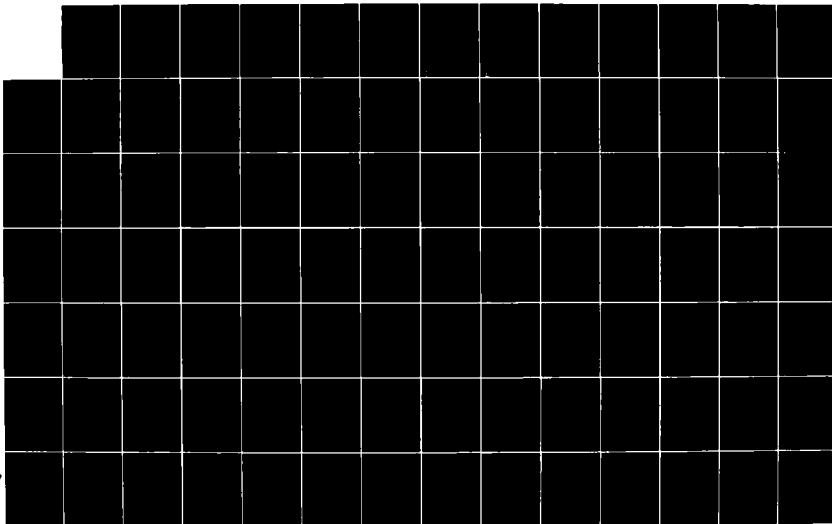
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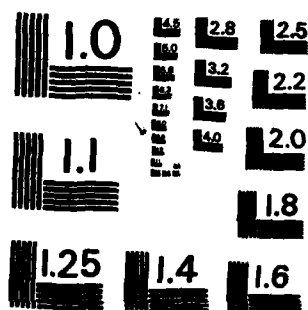
MANSFIELD/LAMM MAP OHIO REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82
USAFETAC/DS-82/048 SBI-AD-ESBO 207 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2000

YEARS JAN MONTH

73-81

YEARS

**JAN
MONTH**

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point											
62/ 61			.1															1	1												
60/ 59		.1																1	1												
58/ 57		.1	.1		.3	.1												5	5	2											
56/ 55					.1	.3												3	3	3											
54/ 53			.3		.5													6	6	1											
52/ 51		.6	.1	.3	.1													9	9	1											
50/ 49		.3	.4	.3														7	7	4											
48/ 47	.1	.4	.1	.4														8	8	5											
46/ 45	.1	1.0	.3	.4		.1												15	15	6											
44/ 43	.3	.8	.4	.5	.3	.1												18	18	11											
42/ 41	.1	.4	1.0	.3														14	14	10											
40/ 39	.3	.9	.4	.1	.1	.3												16	16	7											
38/ 37	.4	1.0	1.8	1.9		.3												39	39	20											
36/ 35	.6	3.8	1.4	.6														51	51	16											
34/ 33	1.5	2.6	1.3	.6	.1													49	49	33											
32/ 31	1.3	3.5	1.3	.4														51	51	50											
30/ 29	1.3	2.3	1.9															43	43	37											
28/ 27	1.1	2.9	2.3	.1														51	51	39											
26/ 25	.4	5.6	2.4															67	67	41											
24/ 23	.3	3.0	.9															33	33	21											
22/ 21	.5	3.5	1.6															45	45	32											
20/ 19	.5	4.4	1.1															48	49	58											
18/ 17		4.3	1.0															42	42	40											
16/ 15	.5	4.4	1.1															48	48	55											
14/ 13	.6	3.9	.3															39	39	42											
12/ 11		2.4																19	19	40											
10/ 9	.1	1.5																13	14	56											
8/ 7	.6	1.3																15	18	32											
6/ 5	.5	1.0																12	12	31											
4/ 3	.1	.8																7	7	17											
2/ 1	.1	1.1																10	12	20											
0/ -1	.5																	9	9	15											
-2/ -3	.1																	1	1	18											
-4/ -5	.1																	1	1	12											
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																				
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total								
Dry Bulb																															
Wet Bulb																															
Dew Point																															

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73-81

YEARS

JAN
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PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
MAY 1964
SERVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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2000-2001
HOURS 16.3.1.

WITNESSED BY ME, ONE OF THE SIGNED PROSECUTORS

0-24-5 (01-A)

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USAFETAC FORM 0-26-5 (OL A) REVERSE REMOVES EMISSIONS OF TEST FORMS ARE OBSOLETE JAN 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

JAN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
62/ 61			.0	.0														3	3						
60/ 59		.0	.1	.1														10	10	1					
58/ 57	.0	.2	.1	.0	.1	.0												29	29	11	3				
56/ 55	.0	.2	.1	.0	.0	.0												28	28	21	13				
54/ 53		.1	.0	.1	.1													27	27	15	20				
52/ 51	.0	.1	.1	.1	.1													35	35	26	18				
50/ 49	.0	.2	.2	.3	.0													44	44	27	25				
48/ 47	.0	.6	.2	.1	.1													73	73	37	17				
46/ 45	.1	.5	.4	.4	.1	.0												97	101	76	44				
44/ 43	.1	.7	.4	.1	.0	.0												92	95	79	51				
42/ 41	.1	.7	.5	.2	.1	.0												104	106	104	68				
40/ 39	.1	.8	.6	.1	.1	.0												123	131	111	71				
38/ 37	.1	2.0	1.1	.4	.0	.0												248	252	132	81				
36/ 35	.8	2.7	1.4	.4	.0													338	340	240	163				
34/ 33	.9	3.0	.7	.1	.1													318	333	353	242				
32/ 31	.9	4.7	1.4	.1														458	470	372	315				
30/ 29	1.4	3.3	1.3	.2														391	395	475	319				
28/ 27	.9	2.9	1.0	.1														306	316	351	325				
26/ 25	1.0	4.2	1.0	.0														389	402	349	338				
24/ 23	.9	3.2	.5	.0														286	290	456	217				
22/ 21	1.5	2.4	.8															323	347	327	296				
20/ 19	1.3	4.3	.5															381	408	281	432				
18/ 17	1.1	3.1	.1															318	325	384	334				
16/ 15	1.2	4.0	.4															348	361	374	319				
14/ 13	1.3	2.6	.0															247	260	270	320				
12/ 11	1.7	2.1	.1															247	258	282	361				
10/ 9	1.6	1.4	.0															223	245	246	370				
8/ 7	1.1	1.6																179	202	192	279				
6/ 5	.9	1.0																118	120	168	196				
4/ 3	.8	1.0																109	113	118	157				
2/ 1	.8	1.3																131	136	111	196				
0/ -1	1.8	.2																74	76	94	119				
-2/ -3	.7	.2																56	59	65	114				
-4/ -5	.8																	29	36	34	121				
Element (X)	Σ ₁		Σ ₂		Σ		Σ _A		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F	≥ 30 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

YEARS

JAN

MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-6/-7	.4																	26	31	26	95			
-8/-9	.4																	24	24	24	58			
-10/-11	.2																	14	14	14	50			
-12/-13	.2																	15	15	15	31			
-14/-15	.1																	6	6	6	38			
-16/-17	.1																	6	6	6	29			
-18/-19	.1																	8	8	8	17			
-20/-21																					5			
-22/-23																					5			
-24/-25																					9			
TOTAL	24.6	57.2	13.4	3.6	.9	.3												6281	6530	6281	6281			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1 0000-0200
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 57		.3																2	2	2	2
56/ 55		.1	.1				.1	.3										5	5	1	1
54/ 53	.4	.3	.1				.6											10	10	4	3
52/ 51		.6	.1		.1													6	6	3	1
50/ 49		1.2	.1	.3	.3													13	13	5	6
48/ 47	.3	1.0			.9	.3												17	17	12	9
46/ 45	.7	.3	.1	.3	.6													14	14	14	12
44/ 43		.6			.1	.1												6	6	12	6
42/ 41	.1	.3	1.2	.9	.3													19	20	8	5
40/ 39		1.0	.9	.7														18	20	11	2
38/ 37	.7	1.2	.4	.4	.1													20	20	31	6
36/ 35	.9	3.1	.1	.6														32	39	22	20
34/ 33	1.2	2.5	1.1	.1														35	38	37	26
32/ 31	.9	2.0	2.2	.7	.1													41	48	32	40
30/ 29	.1	3.1	1.6	.1														34	41	29	24
28/ 27	.4	3.4	.6	.1														31	36	43	23
26/ 25	.1	4.7	.1															36	38	41	26
24/ 23	.6	3.1	.6															29	33	44	27
22/ 21	1.2	2.9	1.0															32	38	33	36
20/ 19	.7	4.1	.9															39	43	25	57
18/ 17	1.6	3.4																34	34	47	38
16/ 15	1.5	3.4																33	33	40	34
14/ 13	.1	2.6																20	20	12	34
12/ 11	2.9	1.5	.1															31	33	42	38
10/ 9	1.6	2.6																31	36	23	28
8/ 7	1.3	2.6																28	30	30	40
6/ 5	1.2	1.5																18	19	29	17
4/ 3	.8	1.3																13	15	14	22
2/ 1	.3	1.6																13	13	5	26
0/ -1	1.3	.6																13	13	18	18
-2/ -3	.9	.1																7	8	10	16
-4/ -5	.6																	4	6	5	12
-6/ -7																					5
-8/ -9																					6
Element (X)	Σ H ²		Σ H		Σ	Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.										≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

73-81

YEARS

FEB
MONTH

PAGE 2

0000-0200
HOURS (A. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-1 / -11																						5										
-12 / -13																						3										
-14 / -15																						7										
-16 / -17																						1										
-18 / -19																						2										
TOTAL	22.8	56.7	12.0	4.4	2.6	1.2	.3												684	747		684										
												</																				

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH

73-81

FEB

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
54/ 53		.1																1	1							
52/ 51	.7	.9																14	14	9	8					
50/ 49		.3	.8	.3	.3													12	12	6	4					
48/ 47	.1	.4	.1	.1	.1													7	7	6	5					
46/ 45		.5	.3	.5	.1													11	11	8	5					
44/ 43		.9	.4	.9														17	18	5	3					
42/ 41	.3	.7	.4	.3	.3													14	14	15	12					
40/ 39	.3	.8	.8	.7	.1													20	20	24	5					
38/ 37	.1	.7	.8	.5														16	16	13	9					
36/ 35	1.6	1.3	.3		.3													26	26	25	25					
34/ 33	2.4	2.1	.8	.4														43	43	49	29					
32/ 31	.9	4.3	1.9	.1														59	59	23	40					
30/ 29	.8	4.4	.8															45	45	44	27					
28/ 27	1.6	2.3																29	29	66	35					
26/ 25	2.0	4.7	.4															53	53	39	40					
24/ 23	.4	1.3	.9															20	21	37	38					
22/ 21	.9	2.8	.5															32	32	22	37					
20/ 19	2.1	4.1	.4															50	50	52	40					
18/ 17	.9	1.9																21	21	31	32					
16/ 15	1.1	2.3																25	25	22	32					
14/ 13	1.1	3.2																32	32	28	32					
12/ 11	1.5	1.3																21	21	31	33					
10/ 9	2.0	3.5																41	41	31	40					
8/ 7	2.5	1.2																28	29	40	26					
6/ 5	1.5	1.3																21	21	24	29					
4/ 3	1.7	1.9																27	27	27	30					
2/ 1	1.9	2.3																31	31	28	29					
0/ -1	.5	.1																5	5	10	15					
-2/ -3	.8	.4																12	12	13	22					
-4/ -5	1.6	.3																14	14	13	17					
-6/ -7	.3																	2	2	3	12					
-8/ -9	.7																	5	5	5	11					
-10/ -11	.1																	1	1	1	7					
-12/ -13																						2				
Element (X)	Σ _g ¹		Σ _g		Σ		Σ _g		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											± 6 F		± 32 F		± 67 F		± 73 F		± 89 F		± 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

YEARS

73-81

FEB
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-14/-15																					10	
-16/-17																					5	
-18/-19																					4	
TOTAL	32.4	52.7	9.7	4.0	1.2														750	753	750	
																		750		750		

ATTORNEYS FOR THE DEFENSE OF THIS FORM ARE CONSULTING

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

73-81

FEB
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-1/-11																					5			
-1/-13																					4			
-14/-15																					3			
-16/-17																					1			
TOTAL	21.0	57.0	14.4	5.3	2.0	.3													749	750	749	749		

PSYCHROMETRIC SUMMARY

73-81

YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
62/ 61						.1												1	1																
65/ 59					.3		.4											5	5																
58/ 57		.3	.1			.1	.1											5	5																
56/ 55		.6	.4	.1	.1	.3												13	13	3	1														
54/ 53			.1		.3													3	3	6	7														
52/ 51		.3	.4	.5	.1	.1												11	11	7															
57/ 49		.4	.4	.3	.1	.3												11	11	4	6														
48/ 47		1.1	.4	.4	.4	.3												19	19	14	5														
46/ 45	.1	.6	.7	1.1	.7	.1												26	26	19	7														
44/ 43	.1	1.2	.5	.5	.9	.1												26	26	16	11														
42/ 41	.1	.7	1.1	.5	.5	.3												24	24	22	16														
40/ 39	.4	1.4	1.9	.9	.3	.1												36	36	25	13														
38/ 37	.4	1.6	1.1	.5	.5													31	31	38	17														
36/ 35	.5	1.5	1.1	.4														26	27	31	33														
34/ 33	.6	1.3	1.9	1.1	.1													39	39	43	30														
32/ 31	.3	3.9	3.1	1.5														65	65	27	30														
30/ 29	1.3	3.2	1.2	.5	.1													48	48	73	28														
28/ 27	.4	2.7	2.4	.4														44	44	43	35														
26/ 25	.1	3.6	2.2	.3														46	46	45	50														
24/ 23		2.7	1.6															32	32	55	31														
22/ 21	.4	2.4	2.7															41	41	41	39														
20/ 19	.7	5.0	1.9	.1														57	57	39	47														
18/ 17		3.6	.3															30	30	61	37														
16/ 15		3.0	.3															24	24	31	44														
14/ 13		3.0	.4															25	25	23	43														
12/ 11	.1	1.2	.3															12	12	20	37														
10/ 9		2.4																18	18	17	39														
8/ 7		1.3																10	10	19	43														
6/ 5	.1	.6																7	7	11	11														
4/ 3	.1	.4																4	4	5	20														
2/ 1	.1	.4																4	4	3	31														
0/ -1																				2	5														
-2/ -3																					4														
-4/ -5																					13														
(Element X)	Σ H ²		Σ H		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

<u>725246</u> STATION	<u>MANSFIELD LAHM MAP OH</u> STATION NAME
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73-81

FEB
MONTH

YEARS

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

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FEB
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

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YEARS

FEB
MONTH

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USAPETAC

PSYCHROMETRIC SUMMARY

73-81

FFB

PAGE 2 1000-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-81

YEARS

FEB
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
58/ 57						.1												1	1								
56/ 55	.3	.4	.4			.3												10	10	2	2						
54/ 53						.1	.9											7	7	4	3						
52/ 51	.4	1.4	.7	.3	.1													21	21	6	3						
50/ 49		.3	.1	.1														4	4	12	9						
48/ 47	.1	.9	.3		.3	.1												12	12	9	8						
46/ 45	.2	.9	.1	.6	.9													18	18	15	10						
44/ 43		.4	.6	.3	.3													11	11	13	5						
42/ 41		.7	.3	.6	.4													14	14	8	5						
40/ 39		2.0	1.1	.9														28	29	12	9						
38/ 37	1.1	2.0	.1	.1														24	30	36	16						
36/ 35	1.2	3.0	.7	.6														38	45	41	24						
34/ 33	.6	1.3	1.7	.6														29	29	30	34						
32/ 31	.6	2.3	2.1	.3														37	38	24	31						
30/ 29		2.9	2.1															35	38	29	23						
28/ 27	.3	5.1	1.1															46	51	46	25						
26/ 25	.1	3.4	.9															31	33	50	20						
24/ 23	.9	3.7	.6															36	38	45	30						
22/ 21	.3	3.9	.4															32	34	31	44						
20/ 19	1.4	4.1	.9															45	50	38	63						
18/ 17	.7	1.7																17	20	32	35						
16/ 15	1.1	4.7																41	42	29	40						
14/ 13	.3	2.4																19	22	31	28						
12/ 11	.7	3.1																27	29	23	23						
10/ 9	1.6	4.4	.2															43	45	41	34						
8/ 7	.7	1.9																18	19	31	32						
6/ 5	.9	1.3																15	15	20	22						
4/ 3	.6	.4																7	7	7	19						
2/ 1	.6	2.6																22	23	15	42						
0/ -1	.9	.1																7	9	14	20						
-2/ -3	.3	.4																5	5	4	8						
-4/ -5																				2	8						
-6/ -7																					6						
-8/ -9																					4						
Element (X)	Σ x'		Σ x		Σ	σ _x	No. Obs.		Mean No. of Hours with Temperature																		
Rel. Hum.									≥ 6 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 86 F		≥ 93 F		Total						
Dry Bulb																											
Wet Bulb																											
Dew Point																											

PSYCHROMETRIC SUMMARY

73-81

YEARS

FEB
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
-11/-11																						9									
-12/-13																						2									
-14/-15																						1									
-16/-17																						2									
-18/-19																						1									
TOTAL	15.7	61.9	14.6	4.3	2.3	1.3													700	749	700										
									</																						

PSYCHROMETRIC SUMMARY.

73-81

FEB
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WEY BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
-6/-7	.1																	6	8	7	50												
-6/-9	.1																	5	5	5	45												
-7/-11	.0																	1	1	1	39												
-17/-13																					16												
-14/-15																					29												
-16/-17																					16												
-18/-19																					11												
TOTAL	17.6	55.2	17.1	5.0	2.9	1.2	.3												5778	5778	5778												
															</																		

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73-81

MAR
MONTH

PAGE 1 0000-0200
MOUSE 11-8-71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66 / 65						.4												3	3					
64 / 63				.1	.2	.1												4	4					
62 / 61		.1	.1		.4													5	5					
60 / 59			.2	.9	.5													13	13	3				
58 / 57		.1	1.0		.1			.1										11	11	2	3			
56 / 55		.2	.4	.9	.4	.2	.4											20	20	13	1			
54 / 53	.2	.6	1.3	.4	.4	.4												27	27	20	9			
52 / 51		2.0	.4	.4	.1	.2												25	25	13	9			
50 / 49	.2	1.0	1.0	.4	.6	.2												28	28	35	29			
48 / 47		.9	1.3	.2	1.0	.1												29	29	16	24			
46 / 45		2.1	1.1	.9	.6													38	38	36	15			
44 / 43	.1	1.7	1.3	.2	.7													34	34	33	25			
42 / 41	.1	.7	.9	.7	.2													22	22	33	21			
40 / 39	.4	1.6	1.6	1.7	.1													44	44	37	27			
38 / 37		2.6	1.5	.2														35	35	28	27			
36 / 35		4.4	1.1	.4	.5													52	52	49	23			
34 / 33	.2	3.3	2.9	.6														58	58	74	37			
32 / 31	.4	5.1	3.3	1.1														81	84	33	78			
30 / 29	.1	3.7	3.1	.2														58	58	81	37			
28 / 27	1.2	4.3	1.3	.5														60	60	61	51			
26 / 25	.9	3.2	1.0															41	42	81	61			
24 / 23		2.2	.4															21	23	39	54			
22 / 21	.4	2.7	.9															32	32	28	44			
20 / 19	1.2	2.8	.4															35	35	37	70			
18 / 17	.2	1.6	.1															18	18	27	36			
16 / 15		.5																4	4	16	39			
14 / 13																				3	19			
12 / 11		.6																5	5	3	24			
10 / 9		.5																4	4	2	22			
8 / 7	.1																	1	1	5	11			
6 / 5		.1																1	1		3			
4 / 3	.1	.1																2	2	2	3			
2 / 1		.5																4	4	3	7			
0 / -1	.2																	2	2	4				
Element (X)	ΣX ²		ΣX		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 2

0000-0200
NOV 5 11 53 AM '71

[illegible]

PSYCHROMETRIC SUMMARY

WE ARE

MAR
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

2

YEARS

73-81

MAR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

0-26-S (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

0600-0800
NOV 23 11 53 AM '61

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PSYCHROMETRIC SUMMARY

73-81

YEARS

MAR
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-1																					2		
-2																					3		
-3																					1		
-4																					2		
TOTAL	5.8	36.2	30.4	14.1	7.2	3.9	1.9	.4	.1									825	826	825			
																					</		

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YEARS

MAR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

0-24-5 (OL A)

3

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PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

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73-81

YEARS

 MAR
MONTH

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0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb-Dew Point				
/ 7																				17				
/ 5																				3				
/ 3																				5				
/ -1																				6				
TOTAL	2.621	4.23	5.20	0.13	.8	6.7	4.5	3.9	2.3	.9	.5								822	821				
																			821	821				

PSYCHROMETRIC SUMMARY

73-81

YEARS

 MAR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

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USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

MAR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64/ 67					.1	.1												2	2					
66/ 65						.1	.2	.4										6	6					
64/ 63				.1	.4	.4	.4											10	10					
62/ 61		.4		.1	.7	.6	.1											16	16	1				
60/ 59		.1	.4	.4	.1	.2		.1										11	11	3	2			
58/ 57		.4	.2	.4	.5	.2	.1	.2										16	16	9	1			
56/ 55		.2	.4	.1	.4	.6	.1											15	15	13	3			
54/ 53	.4	.7	1.5	.9	.2	.1												28	28	16	13			
52/ 51		1.5	.7	.9	.5	.9												33	33	24	9			
50/ 49		.6	1.2	1.2	.1	.9												30	30	30	14			
48/ 47		.9	1.0	.9	.9	.2	.1											32	32	23	25			
46/ 45		1.7	.6	1.6	.4	.2												37	37	46	21			
44/ 43		1.2	1.0	.9	.4	.1												29	29	32	28			
42/ 41	.1	1.0	1.0	.7	.1													24	24	33	27			
40/ 39	.2	2.1	1.2	.9														36	36	37	35			
38/ 37		3.1	1.0	1.5	.4													48	50	34	28			
36/ 35		4.9	1.0	1.2														55	55	51	31			
34/ 33	.5	3.1	3.1	.6														61	61	64	40			
32/ 31	.1	5.0	4.9	.9														86	86	51	81			
30/ 29	.2	3.4	3.2	.4														58	58	74	43			
28/ 27	1.5	4.7	1.2															60	60	84	44			
26/ 25	.4	1.7	1.1															26	27	63	60			
24/ 23	.2	.6	1.5															19	21	29	41			
22/ 21	1.2	1.5	1.1															31	31	25	50			
20/ 19	.1	2.6																22	22	32	82			
18/ 17		.9	.1															5	5	18	31			
16/ 15		.6																5	5	5	19			
14/ 13		.4																3	3	4	26			
12/ 11		.1																1	1	3	22			
10/ 9		.4																3	3	1	14			
8/ 7		.2																2	2	3	6			
6/ 5		.1																1	1	2	4			
4/ 3		.1																1	1	2	6			
2/ 1	.1	.2																3	3	3	1			
Element (X)	Σ X'		Σ X		X	X		X		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.												≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (O.L.A.) REVISSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

MAR
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-81

YEARS

MAR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
76/ 75								.0	.0	.0	.0							8	8												
74/ 73								.0		.1	.0							10	10												
72/ 71					.0	.0	.0	.1	.1		.0							16	16												
70/ 69				.0	.1	.1	.1	.2	.0	.0	.0							41	41												
68/ 67			.0	.1	.2	.0	.1	.1	.0	.0								35	35												
66/ 65			.1	.1	.1	.2	.1	.1	.1	.1								57	57												
64/ 63		.0	.2	.2	.2	.1	.2	.1	.1									75	75	11											
62/ 61		.2	.2	.2	.1	.1	.2	.1	.0									89	89	28	1										
60/ 59		.1	.3	.5	.3	.2	.3	.1	.0									121	121	50	13										
58/ 57		.4	.6	.4	.4	.2	.2	.2										160	160	66	41										
56/ 55	.0	.7	.5	.4	.4	.3	.3	.1	.1									189	189	142	41										
54/ 53	.2	.7	.7	.6	.5	.4	.1	.0										214	214	177	102										
52/ 51	.0	1.1	.6	.5	.4	.4	.2	.0										216	216	172	107										
50/ 49	.2	.9	.9	.6	.6	.5	.2											251	251	231	169										
48/ 47	.0	1.3	.7	.5	.6	.4	.0											248	248	227	169										
46/ 45	.0	1.9	.7	1.0	.6	.3												306	306	302	166										
44/ 43	.2	1.2	1.2	.6	.6	.0												261	262	272	249										
42/ 41	.2	1.1	1.1	1.2	.7	.1												288	288	269	227										
40/ 39	.4	1.6	1.7	1.1	.5	.1												348	348	329	203										
38/ 37	.3	2.2	1.6	1.1	.4	.0												365	367	355	241										
36/ 35	.2	2.8	1.9	1.3	.3													420	421	386	242										
34/ 33	.3	3.4	2.7	1.0	.2													496	496	503	327										
32/ 31	.3	3.6	3.2	1.1	.0													539	543	441	526										
30/ 29	.4	2.9	2.7	.5														422	423	569	395										
28/ 27	.9	3.0	1.4	.2														361	362	505	375										
26/ 25	.6	2.2	1.4	.1														80	287	469	499										
24/ 23	.3	1.3	.5	.0														142	146	295	367										
22/ 21	.4	1.4	.6															161	161	197	402										
20/ 19	.5	1.7	.3															160	160	180	460										
18/ 17	.1	.6	.3															78	78	116	301										
16/ 15	.1	.6	.1															52	52	79	241										
14/ 13	.0	.5	.0															37	37	39	182										
12/ 11	.0	.3																22	22	40	161										
10/ 9	.1	.3																24	24	24	91										
Element (X)	Σ X'			Σ X			Σ			Σ n			No. Obs.			Mean No. of Hours with Temperature															
Rel. Hum.																≤ 6 F	≤ 22 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																															
Wet Bulb																															
Dew Point																															

2

YEARS

73-81

MAR
MONTH

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

APR
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7 / 69					.4			.1										4	4					
6 / 67			.1		.3	.1	.8	.1										11	11					
6 / 65			.4	.7	.4	.1	.3	.1										15	15					
54 / 63		.4	.3	1.2	.5	.1	.3											21	21	4	2			
62 / 61		.3	.7	1.3	.8	.7	.3											30	30	8	1			
6 / 59	.1	1.1	2.1	.9	.3	.7	.3	.1										42	45	14	6			
51 / 57	.1	1.1	.7	.4	.7	.7	.3	.8										35	38	43	13			
56 / 55		.9	1.6	.4	.4	.3	.3											26	26	39	22			
44 / 53		.1	.9	.7	.4	.1	.1											18	19	20	33			
52 / 51		.8	.9	.7	.4	.4												24	25	28	15			
5 / 49		.7	2.0		1.2	.3												31	33	25	31			
48 / 47	.1	1.2	1.3	.4	1.2													32	32	30	25			
46 / 45	.3	3.2	.9	.7	1.1													46	47	49	28			
44 / 43	.1	2.5	3.4	2.1	.5	.1												67	70	36	33			
42 / 41	.3	2.4	1.9	1.9														48	48	50	42			
40 / 39	.8	.7	3.6	1.6														50	52	67	28			
36 / 37	.3	5.0	2.8	.4														64	66	57	54			
36 / 35	.7	3.3	2.6	1.1														58	58	74	47			
34 / 33	.5	1.5	1.5	.8														32	32	62	40			
32 / 31	.4	1.9	2.5	.1														37	42	35	99			
30 / 29	.1	2.0	1.5															27	30	38	63			
26 / 27	.1	1.5	.1															13	16	37	31			
26 / 25		1.1	.3															10	11	17	35			
24 / 23		.7	.3															7	8	8	28			
22 / 21	.3	.5																6	6	12	26			
20 / 19			.1															1	1	1	31			
18 / 17																		1	1	1	14			
16 / 15																					3			
14 / 13																					3			
12 / 11																					1			
8 / 7																					1			
TOTAL	4.2	32.2	32.5	15.2	8.5	3.6	2.5	1.3										755	787		755			
Element (X)	Σx'		Σx		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	4201495		55233		73.2		14.635		755		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total	
Dry Bulb	1662349		35071		44.6		11.250		787				13.2		1.7								90	
Wet Bulb	1838897		30603		40.4		9.887		755				17.8										90	
Dew Point	1071493		27269		36.1		10.717		755				39.9										90	

PSYCHROMETRIC SUMMARY

725246	MANSFIELD LAHM MAP OH
STATION	STATION NAME

73-81

APR
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
76/ 69					.1	.4												4	4					
66/ 67					.6	.5	.1											12	12					
66/ 65			.5	.3	.6		.3											13	13					
64/ 63			.3	.6	.4	.1												11	11					
62/ 61		.4	.8	1.0	.6	.3	.1											25	25	7				
61/ 59	.4	1.8	2.1	.5	.8	.6	.1	.1										53	53	22				
58/ 57		1.4	.5	.1	.4	.6	.3	.1										27	27	43				
56/ 55		1.1	.5	.5	.6	.9	.3											32	33	33				
54/ 53		.4	.4	.6		.4												14	14	22				
52/ 51		1.1	.6	.1	.4	.3	.1											21	21	18				
51/ 49		.5	1.4	.6	1.0	.1												29	29	28				
48/ 47		.9	.9	.6	1.0	.3												30	30	31				
46/ 45	.3	2.1	1.4	1.5	.5	.1												47	47	35				
44/ 43	.4	1.9	1.9	1.4	.3	.1												47	47	38				
42/ 41	.1	4.3	2.9	1.4	.4													72	72	49				
41/ 39	.6	4.0	2.4	1.3														66	66	79				
38/ 37	.5	5.9	1.8	1.5														77	77	79				
36/ 35	.4	2.8	1.5	.5														41	41	71				
34/ 33	.1	3.3	1.1															36	36	50				
32/ 31	.9	4.4	2.5	.1														63	63	59				
31/ 29	.1	2.3	.4															22	23	53				
28/ 27	.4	1.1	.4															15	16	27				
26/ 25	.8	1.1	.1															16	16	18				
24/ 23	.4	.6																8	8	16				
22/ 21	.5	.5																8	8	7				
21/ 19	.1	.5																5	5	5				
18/ 17																				4				
16/ 15																				10				
14/ 13																				5				
12/ 11																				4				
10/ 9																				2				
TOTAL	5.9	42.4	24.4	12.6	7.6	4.6	1.4	.4										794		794				
																		794		794				
Element (X)	ΣX'		ΣX		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	4717592		60086		75.7		14.667		794		≤ 6 F		≤ 32 F		= 67 F		= 73 F		= 88 F		= 93 F		Total	
Dry Bulb	1611416		34704		43.8		11.215		797				15.7		1.8								90	
Wet Bulb	1357726		31874		40.1		9.904		794				21.4										90	
Dew Point	1108584		28472		35.9		10.512		794				37.4										90	

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USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEARS

APR
MONTH

PAGE 2 0900-1100
HOURS (L. S. Y.)

[illegible]

FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2

YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

0-20-5 (OL A)

URAFETAC

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-81

YEARS

APR
MONTH

PAGE 2 1200-1400
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. : T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

APR
MONTH

PAGE 2 1500-1700
HOURS (L - S - T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-81

YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

APR
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

APR
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point
72/ 71					.1	.1	.3										5	5		
71/ 69				.1	.3	.4	.3	.3									10	10		
68/ 67				.3	.4	.9	.1										13	13		
66/ 65		.1	.5	1.2	1.2	.4	.1	.1									28	28		
64/ 63		.1	.5	.6	.5	.5											20	20	9	1
62/ 61		.9	.6	1.0	.5	.4	.3	.1									30	30	8	2
60/ 59		1.0	1.3	.6	.3	.4	.1	.5									33	36	32	12
58/ 57		2.3	1.2	.5	.6	1.0	.6	.1									50	51	39	17
57/ 55		.8	.5	.5	1.4	.6	.1										30	30	41	35
54/ 53		.6	.9	.6	.8	.1	.1										25	26	26	23
52/ 51		.8	1.3	.9	1.5	1.0											43	44	29	31
51/ 49		.8	1.3	.3	.9	.9	.1										33	34	20	26
48/ 47	.3	1.4	.9	1.2	1.0	.5											41	41	47	28
46/ 45		1.7	1.7	1.4	1.4	.3											50	51	51	25
44/ 43		2.7	3.1	2.8	.6												72	74	44	34
42/ 41	.4	1.5	3.2	1.0	.1												49	51	65	39
40/ 39	.1	1.5	2.1	1.7	.9												46	47	63	34
38/ 37	.4	3.2	1.8	.9													49	49	74	63
36/ 35	.3	1.4	2.1	1.5	.1												42	42	50	49
34/ 33	.3	1.0	1.5	2.3													40	41	44	43
32/ 31	.8	1.3	1.8	.4													33	37	36	94
31/ 29	.4	.8	.5														13	15	48	43
28/ 27		.3	.8														6	7	28	33
26/ 25		.6	.4														8	9	5	36
24/ 23		.6															5	6	11	23
22/ 21		.3															2	2	5	22
20/ 19																			1	37
18/ 17																				13
16/ 15																				12
14/ 13																				1
TOTAL	2.6	25.9	27.3	20.0	12.5	7.6	2.7	1.2									776	799	776	776
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	3940825		53987		69.6		15.446		776		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F	
Dry Bulb	1843888		37354		46.8		11.057		799		8.6		3.2						90	
Wet Bulb	1468879		32883		42.4		9.867		776		15.3								90	
Dew Point	1150053		28593		36.8		11.158		776		36.4								90	

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-61

YEARS

APR
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
82/ 81																			2	2																
81/ 79																			12	12																
78/ 77																			52	52																
76/ 75																			76	76																
74/ 73																			54	54																
72/ 71																			73	73																
71/ 69																			107	108	1															
68/ 67																			136	136	8															
66/ 65																			192	193	31															
64/ 63																			215	215	110															
62/ 61																			280	284	149															
60/ 59																			352	361	241															
58/ 57																			300	307	296															
56/ 55																			263	265	274															
54/ 53																			258	261	220															
52/ 51																			259	261	206															
50/ 49																			289	294	267															
48/ 47																			294	295	355															
46/ 45																			397	399	383															
44/ 43																			437	444	424															
42/ 41																			407	410	458															
41/ 39																			351	357	536															
38/ 37																			371	375	490															
36/ 35																			306	309	453															
34/ 33																			220	222	359															
32/ 31																			241	253	288															
30/ 29																			118	125	268															
28/ 27																			67	75	165															
26/ 25																			52	58	91															
24/ 23																			31	33	56															
22/ 21																			25	25	35															
20/ 19																			17	17	19															
18/ 17																																				
16/ 15																																				
Element (X)	Σ x ²			Σ x			x̄			C _x			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																≤ 6 F			≤ 22 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
14 / 13																					32			
12 / 11																					7			
10 / 9																					4			
8 / 7																					1			
TOTAL	3.1	26.0	21.7	15.1	11.8	9.3	6.2	3.5	1.7	1.3	.4	.0						6254	6352	6254				

Element (X)	ΣH^1	ΣH	\bar{X}	C_s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	29626272	416060	66.8	18.533	6254	$\leq 0^\circ F$	$\geq 32^\circ F$	$\geq 67^\circ F$	$\geq 73^\circ F$	$\geq 80^\circ F$	$\geq 93^\circ F$	
Dry Bulb	18938360	308280	48.5	12.382	6254		66.5	58.1	22.2	1.0		720
Wet Bulb	12296910	269980	43.2	10.131	6254		107.4	1.0				720
Dew Point	9234178	230247	36.8	11.004	6254		287.8					720

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

MAY
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
76/ 75			.2																		2	2			
74/ 73			.1	.1																	2	2			
72/ 71			.2	.2	.1		.1	.2													8	8	2		
70/ 69			1.7	.1	.1	.1	.1														17	17	1	2	
68/ 67		.6	.9	.9	.5	.4		.1													27	27	9	1	
66/ 65		2.6	1.2	.9	1.4	.7	.1	.6													61	61	22	20	
64/ 63	.4	2.1	.1	.6	.7	.4	.1														36	36	34	21	
62/ 61	1.1	2.8	.5	1.2	.9	.6	.2														60	60	49	39	
60/ 59	1.0	3.2	1.4	1.4	.9	.7	.2	.1													72	72	51	52	
58/ 57	.5	2.1	.6	.2	.5	.6	.4														42	42	51	31	
56/ 55	.7	2.2	1.0	.4	.9	.6	.2														49	50	61	44	
54/ 53	.9	2.0	1.0	1.4	.5	.2															48	48	48	45	
52/ 51	.2	2.8	1.7	1.0	.4	.4															53	53	40	36	
50/ 49		1.8	2.3	2.0	.9																57	57	50	49	
48/ 47		4.3	2.2	1.0	.9																68	68	61	47	
46/ 45	.2	2.7	1.7	1.0	.1																47	47	81	48	
44/ 43		3.8	1.4	1.5	.2	.1															57	57	52	49	
42/ 41	.1	2.0	1.0	.1	.2																28	28	66	51	
40/ 39	.1	1.6	1.0	.5																	26	26	39	74	
38/ 37		1.6	1.4	.1																	25	25	27	48	
36/ 35	.4	.6	1.1																		17	17	32	37	
34/ 33	.2	.2		.1																	5	5	25	32	
32/ 31	.1	.5	.1																		6	6	7	46	
30/ 29			.1																		1	1	3	16	
28/ 27																							2	18	
26/ 25																							1	6	
24/ 23																								2	
22/ 21																								2	
18/ 17																								2	
16/ 15																								1	
TOTAL	6.0	39.6	23.0	14.5	9.1	4.9	1.6	1.1													814	815	814	814	
Element (X)	Σ X'			Σ X			X			No. Obs.			Mean No. of Hours with Temperature												
Rel. Hum.	511759			63305			77.815.461			814			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb	238241			43367			53.2 9.449			815				.6	6.4	.5						93			
Wet Bulb	206924			40364			49.6 9.112			814				1.5	1.4							93			
Dew Point	181122			37424			46.010.537			814				10.6	.3							93			

FORM 0-26-5 (OL A) REVERSED REVERSE SERVICE OF THE FORM ARE CALICUTE
JAN 64

USAFETAC

2

9.

YEARS

MAY
MONTH

0300-0500
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

MAY
MONTH

PAGE 1 0900-1100
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point					
52/ 81					.1			.1	.1	.1								4	4						
57/ 79					.2	.2	.7	.5	.2	.1								17	17						
72/ 77				.5	.2	.6	.6	.5	.2	.1								23	23						
76/ 75			.1	.5	.7	.7	.4	.6	.4	.2								30	30						
74/ 73			.1	.4	.7	.9	.6	.2	.4									27	27	2					
72/ 71		.1	1.0	1.2	1.2	.9	.5	.4	.4	.2								48	48	7	1				
70/ 69		.5	1.2	1.1	1.1	1.0	.5	.2	.6	.5								55	55	17	6				
68/ 67		1.0	1.2	.5	1.0	1.1	.2	.7	.2	.4								52	52	36	13				
66/ 65		1.3	.9	1.7	1.1	1.2	.9	.9	.1	.1								67	67	54	22				
64/ 63	.1	1.4	.7	1.1	.9	.9	1.1	.5	.2									58	58	60	43				
62/ 61	.1	1.2	1.1	1.2	1.0	1.0	.7	.5										63	63	51	38				
60/ 59	.2	1.8	.9	.6	1.1	1.4	.9	.2										60	60	62	59				
58/ 57	.5	1.7	1.2	.7	1.1	1.2	.5	.1										58	58	65	37				
56/ 55	.4	.6	.5	.9	1.5	1.7	.5											49	49	58	63				
54/ 53		1.0	1.1	1.3	.2	.9	.2											39	39	54	46				
52/ 51		1.5	1.0	.6	1.0	.6	.1											39	41	62	46				
50/ 49		1.5	1.3	.6	1.6	.5												45	45	74	34				
48/ 47		.4	.5	.6	1.6													25	25	54	49				
46/ 45	.1	.5	.7	1.3	.4													25	26	41	45				
44/ 43		.6	.7	.1		.1												13	13	29	49				
42/ 41			.4	.1														4	4	40	50				
40/ 39	.2	.6	.2	.2	.1													12	12	32	41				
38/ 37		.2		.1														3	3	9	35				
36/ 35																				5	32				
34/ 33																				3	32				
32/ 31																				1	50				
30/ 29																					12				
28/ 27																					7				
26/ 25																					3				
22/ 21																					2				
18/ 17																					1				
TOTAL	1.7	16.2	15.0	15.6	16.9	15.9	8.5	5.5	2.9	1.8									816	819	816				
																						816		816	
Element (X)	ΣX'		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	3719529		53057		65.0		18.192		816		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F				
Dry Bulb	3146735		50157		61.2		9.577		819				29.1		11.5		1.5				93				
Wet Bulb	2477868		44410		54.4		8.623		816				.1		7.1		.2				93				
Dew Point	2006822		39492		48.4		10.826		816				8.5		2.3						93				

FORM 0-26-5 (OL A) REVERSED MIRROR IMAGES OF THE FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAY
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
84/ 83							.2	.6	.5	.7	.5	.1						22	22							
82/ 81						.1	.6	.5	1.1	1.0	.1	.2						30	30							
81/ 79						.5	.7	.9	.6	.7	.5	.2	.2					36	36							
76/ 77				.1	.1	.4	.6	.9	.2		.1	.2						22	22							
76/ 75				.5	.7	1.5	.6	.7	.5	.1	.2	.1						41	41							
74/ 73			.5	.9	1.3	1.0	1.1	.5	.7	.9	.1							57	57	2						
72/ 71		.1	.6	1.1	.6	1.2	1.0	.7	1.0	.7								58	58	12						
71/ 69			1.6	.4	.7	.4	.6	1.0	1.3	.6								54	54	32	5					
68/ 67		.5	.4	1.0	1.0	.5	1.8	.5	.6	.4								54	54	43	18					
66/ 65		1.2	2.0	1.1	.7	1.1	1.1	1.1	.9	.1								76	76	76	23					
64/ 63		1.0	.6	1.0	.9	1.9	2.1	1.2	.4									70	70	57	33					
62/ 61		1.0	.5	.2	.7	2.0	.9	.5										47	47	70	46					
60/ 59	.2	1.1		1.1	.5	1.2	.6	.5	.1									44	44	51	59					
56/ 57	.1	1.2	.7	.2	1.5	1.0	1.2	.2										51	51	51	61					
51/ 55		.2	.9	.1	1.1	.5	.4											26	26	70	53					
54/ 53		.4	.9	.2	.2	1.0	.6											27	27	80	38					
52/ 51		.9	.7	.4	.1	2.2	.1											36	36	58	31					
51/ 49		.7	.5	.2	1.0	.4	.1											24	24	64	35					
47/ 47		.5	.2	.5	.6													15	16	35	62					
46/ 45		.4	.1	.2		.2												8	8	31	40					
44/ 43		.5	.6	.2														11	11	28	46					
42/ 41		.2	.2	.6														9	9	35	55					
41/ 39			.1															1	1	12	48					
38/ 37																				8	35					
36/ 35																				4	22					
34/ 33																					28					
32/ 31																					44					
31/ 29																					19					
28/ 27																					11					
26/ 25																					4					
22/ 21																					3					
TOTAL	.4	9.9	11.1	10.1	12.5	17.2	14.4	10.1	7.9	4.2	1.5	.7						819	820		819					
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature															
Rel. Num.	2981171		47023		57.4		18.530		819		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb	3569377		53485		65.2		9.932		820						42.4		23.6		8.2				93			
Wet Bulb	2641310		46000		56.2		8.397		819						10.1		.2						93			
Dew Point	2023666		39718		48.5		13.928		819				9.2		2.6								93			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 85									.1		.6	.2						8	8			
4/ 83						.1	.4	1.2	.5	.7	.4	.1						28	28			
2/ 81						.4	.4	1.0	.9	1.0	.6							34	34			
7/ 79						.5	.4	1.2	.4	.2		.6						27	27			
7-1/ 77				.1	.4	1.1	.7	.6	.5	.4	.2	.5						37	37			
7-6/ 75			.1	.4	1.2	1.1	.9	.5	1.2	.6	.2	.5						55	55			
7-4/ 73			.4	1.2	.9	.9	1.2	.4	.7	.9	.4							56	56	1		
7-2/ 71			.2	.6	.7	.6	1.1	.6	1.2	.4								45	45	13		
7-1/ 69		.2	1.2	.4	.5	1.3	.6	1.6	1.0	.6	.4							64	64	32	2	
6-5/ 67			1.5	.6	.6	.5	.6	1.5	.9	.2								52	52	55	11	
6/ 65		1.1	1.6	1.1	.5	1.0	1.2	1.0	.9	.1								71	71	67	31	
6-4/ 63		.4	1.2	.9	.4	1.2	1.7	1.0	.4									58	58	61	40	
6-2/ 61	.2	.7	.6	.4	.2	.9	.5	.9	.2									38	38	58	46	
6-0/ 59	.7	1.0	.7	.5	1.0	2.2	.4	1.2	.1									64	64	70	52	
5-7/ 57		.6	.5	.6	1.2	1.3	1.1	.1										45	45	56	50	
5-6/ 55		.7	.4	.5	.4	.9	.7	.2										31	31	69	52	
5-4/ 53		.6	1.1	.4	.4	1.0	1.1											37	37	70	44	
5-2/ 51		.2	.2	.5	.2	.6	.1											16	16	72	39	
5-1/ 49		.6	1.2	.5	.4	.5												26	26	49	41	
4-7/ 47				.6														5	5	40	42	
4-6/ 45		.4		.7	.1													10	10	40	36	
4-4/ 43		.4	.1	.2	.1													7	7	25	67	
4-2/ 41		.1	.1	.6														7	7	24	43	
4-1/ 39			.1															1	1	11	60	
3-8/ 37																				5	23	
3-6/ 35																				4	37	
3-4/ 33																					28	
3-2/ 31																					38	
3-0/ 29																					21	
2-8/ 27																					10	
2-6/ 25																					7	
2-2/ 21																					2	
TOTAL	1.0	7.1	11.6	10.7	9.1	15.9	13.0	12.9	8.9	5.1	2.8	1.9						822	822	822		
Element (X)	ΣX'		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX	
Rel. Hum.	2826404		45560		55.4		19.154		822		± 0 F		± 32 F		Mean No. of Hours with Temperature		± 67 F		± 73 F		± 80 F	
Dry Bulb	3685864		54434		66.2		9.943		822						45.9		27.7		9.3		Total	
Wet Bulb	2676843		46407		56.5		8.174		822						11.4		.1				93	
Dew Point	2010934		39661		48.3		10.867		822				8.8		1.5						93	

USAFETAC FORM 0-26-5 (OL A) PREPARED BY THE AIR WEATHER SERVICE

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HOURS (L, S, T.)

c

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC

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YEARS

MAY
MONTH

PAGE 1 2100-2300
HOURS (L. S. Y.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

YEARS

MAY
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

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USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

PSYCHROMETRIC SUMMARY

73-81

JUN
MONTH

PAGE 1 0000-0200
MOUSE (1 S Y)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

JUN
MONTH

PAGE 1 0300-0500
HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JUN
MONTH

[illegible]

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USAFETAC

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USAFETAC

PSYCHROMETRIC SUMMARY

73-81

	YEARS
1970	1970
1971	1971
1972	1972
1973	1973
1974	1974
1975	1975
1976	1976
1977	1977
1978	1978
1979	1979
1980	1980
1981	1981
1982	1982
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2011	2011
2012	2012
2013	2013
2014	2014
2015	2015
2016	2016
2017	2017
2018	2018
2019	2019
2020	2020
2021	2021
2022	2022
2023	2023
2024	2024
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2110	2110
2111	2111
2112	2112
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2119	2119
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2129	2129
2130	2130
2131	2131
2132	2132
2133	2133
2134	2134
2135	2135
2136	2136
2137	2137
2138	2138
21	

JUN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
92/ 91						.1			.1									2	2														
90/ 89						.1												1	1														
88/ 87							.5	.6	.3	.1								12	12														
86/ 85					.1	.4	1.5	.8	1.0	.1	.1							32	32														
84/ 83					.3	.8	1.9	2.2	1.5	.9								59	59														
82/ 81				.3	.8	1.4	2.0	2.2	1.6	.5								69	69	1													
80/ 79			.1	.5	1.5	2.3	.9	2.7	1.4	.8	.1	.3						83	83	1													
78/ 77			.1	.9	1.6	1.8	2.3	3.0	1.8	.3								93	93	2													
76/ 75		.1	.6	1.5	2.3	1.8	1.4	2.8	2.0	.9		.1						107	107	12													
74/ 73		.1	.4	1.0	.6	1.0	1.8	1.1	1.9	.1								64	64	51													
72/ 71		.3	1.1	.4	.3	1.0	1.3	2.4	.4									56	56	73													
70/ 69		.9	1.9	.9		1.0	.5	1.0	.6									54	54	79													
68/ 67	1.1	.4	.3	.5	1.3	1.1	.3	.1										40	40	106													
66/ 65	1.8	.1	.9	.9	1.3	.3												41	41	96													
64/ 63		.3	.3	.3	.5	.9												17	17	80													
62/ 61	1.0	.5	.3	.1	.1	.3												18	18	67													
60/ 59	.6	.3	.4		.5													14	14	65													
58/ 57	.3	.4	.3	.1	.1	.4												12	12	69													
56/ 55	.4			.3	.1	.1												7	7	36													
54/ 53	.1		.4		.1													5	5	24													
52/ 51	.4																	3	3	10													
50/ 49	.1																	1	1	6													
48/ 47																				7													
46/ 45																				4													
44/ 43																				1													
42/ 41																																	
40/ 39																				12													
38/ 37																				2													
36/ 35																				2													
34/ 33																				5													
TOTAL		7.2	6.2	8.1	9.6	15.7	17.1	19.0	12.8	3.7	.3	.4						790	790	790													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

JUN
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point
92/ 91							.1										1	1		
88/ 87						.1											1	1		
86/ 85				.1	.1	.3	.1	.1	.1								7	7		
84/ 83				.1	.1	.9	.1	.6	.3								17	17		
82/ 81				.4	.4	.8	.8	1.0	.1	.1							28	28		
80/ 79			.4	.9	1.0	2.1	.8	1.2	.3	.1	.1	.1					51	52	2	
78/ 77		.9	1.3	2.3	1.0	1.6	1.3	.4	.1								69	71	3	1
76/ 75	.1	.9	2.2	2.6	1.7	1.8	1.0	.5	.3	.1							87	88	12	4
74/ 73		1.1	2.5	1.4	1.7	1.9	1.2	1.3									87	91	26	14
72/ 71	1.0	1.1	1.7	1.3	1.6	1.3	1.0	.4									77	78	50	8
70/ 69	1.3	2.9	1.3	1.4	1.3	1.4	1.6	.1									84	85	83	44
68/ 67	.6	1.6	1.0	1.2	1.3	.9	.5	.1									56	56	88	60
66/ 65	.9	.6	1.3	1.2	1.3	.4	.1										45	46	83	51
64/ 63	1.3	.4	.8	.9	1.3	.1											37	37	77	54
62/ 61	.3	1.4	.1	1.0	.9	.1	.1										33	33	67	57
60/ 59	.1	.8	.9	.9	.5	.4											28	28	76	75
58/ 57		.5	.5	.3	.6	.3	.3										18	18	53	48
56/ 55		.6	.6	.1	.5	.3	.1										20	20	59	49
54/ 53	.1	.4	.3	.1	.4	.1											11	11	34	57
52/ 51		.1	.4	.3	.5												9	9	16	45
50/ 49		.4	.1														4	4	20	41
48/ 47		.1		.1													2	2	9	43
46/ 45																			11	42
44/ 43																			3	18
42/ 41																				14
40/ 39																				8
38/ 37																				9
36/ 35																				3
34/ 33																				3
32/ 31																				2
TOTAL	.5	9.8	13.2	16.1	17.5	16.5	12.0	9.7	3.4	.4	.3	.1					772	783	772	
Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	Z ₅	Z ₆	Z ₇	Z ₈	Z ₉	Z ₁₀	Z ₁₁	Z ₁₂	Z ₁₃	Z ₁₄	Z ₁₅	Z ₁₆	Z ₁₇	Z ₁₈	Z ₁₉	Z ₂₀
Rel. Hum.	3457338	50184	65.0	15.887	772															
Dry Bulb	3951888	55304	70.4	7.644	783															
Wet Bulb	3080719	48473	62.4	6.942	772															
Dew Point	2613889	44403	57.3	8.034	772															
										Mean No. of Hours with Temperature										
										< 60 F	< 52 F	< 47 F	< 42 F	< 37 F	< 32 F	< 27 F	< 22 F	< 17 F	< 12 F	Total
												66.1	40.9	9.8						90
												30.8	5.0	.2						90
											.2	15.3	2.2							90

USAFETAC FORM 42-0-26-5 (OLA) INVERSE REVERSE DIRECTIONS OF THE HOUR ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEAR 1

JUN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

JUN
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point						
92/ 91							.0	.0		.0								3	3							
91/ 89							.0		.0									3	3							
88/ 87							.0	.1	.1	.0	.0							14	14							
86/ 85				.0	.0	.2	.3	.2	.1	.0	.0							59	59							
84/ 83				.0	.2	.5	.5	.6	.3	.2								143	143							
82/ 81				.1	.4	.6	.7	.7	.3	.2								191	191	1						
80/ 79			.1	.4	.6	.8	.9	.9	.3	.1	.0	.0						262	263	3						
78/ 77		.0	.3	.6	1.1	.7	1.1	.9	.4	.1	.0							330	332	8	2					
76/ 75		.1	.7	1.5	1.6	1.2	.9	.7	.4	.2	.0	.0						463	464	55	6					
74/ 73		.4	1.2	1.7	.8	1.2	.9	.6	.6	.0								466	470	177	43					
72/ 71		1.1	2.3	1.4	.8	.9	.6	.7	.2									506	510	325	78					
70/ 69	.0	2.1	2.9	1.2	1.2	.8	.6	.6	.1									600	607	485	279					
68/ 67	.0	2.4	1.4	1.3	1.2	.7	.7	.2	.1									506	513	684	469					
66/ 65	.1	2.4	1.4	1.6	1.1	.7	.3	.1										497	503	675	593					
64/ 63	.1	2.1	1.2	1.3	.8	.9	.3											404	409	614	520					
62/ 61	.1	1.7	1.1	1.5	.7	.3	.1											363	365	543	462					
60/ 59	.4	1.6	1.6	1.3	.3	.1	.0											349	354	540	480					
58/ 57	.4	1.7	1.4	.7	.3	.2	.1											290	290	523	550					
56/ 55	.2	1.2	1.2	.6	.3	.1	.0											227	227	509	481					
54/ 53	.2	1.1	.9	.5	.1	.1												182	182	325	435					
52/ 51	.2	.9	.7	.3	.3	.0												158	158	243	428					
50/ 49	.1	1.0	.7	.3	.0													129	130	205	403					
48/ 47	.0	.5	.2	.2														60	60	145	317					
46/ 45	.1	.3	.2	.0														34	34	111	244					
44/ 43		.2	.2															22	22	54	181					
42/ 41		.2	.0															17	17	39	128					
40/ 39	.0	.1																12	12	18	73					
38/ 37		.0																1	1	8	55					
36/ 35																				1	39					
34/ 33																					23					
32/ 31																					2					
TOTAL	2.721	2.219	6.16	5.12	1.9	9.6	7.6	6.2	3.1	.8	.1	.1						6291	6336		6291					
																						6291		6291		
Element (X)	Σ _h			Σ _h			Σ	Σ _h			Σ _h			Σ _h			No. Obs.	Mean No. of Hours with Temperature					Total			
Rel. Hum.	34273129			452113			71.916	6291			6291			6291			6291	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb	29232946			426474			67.3	6291			6291			6291			6291		405.9	220.7	63.1		720			
Wet Bulb	23938103			385248			61.2	6291			6291			6291			6291		198.9	27.9	.5		720			
Dew Point	20978794			359407			57.1	6291			6291			6291			6291		.2	100.4	5.8		720			

0-26.5 (D.L.A.) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0000-0200
HOURS (L. S. T.)

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JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

MOLES (L S T)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-81

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

YEARS

JUL
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

JUL
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		Dry Bulb	Wet Bulb	Dew Point
94/ 93								.1	.1								2	2		
92/ 91							.4	.1									4	4		
91/ 89						.4	.1	.7	.1	.1							13	13		
88/ 87						.6	.7	.2	.1	.1	.1						16	16		
86/ 85					.2	1.5	1.1	.7	.2	.9	.2						40	40		
84/ 83					.9	1.1	.6	1.0	.6	.4							37	37		
82/ 81				.4	1.6	1.3	1.2	.5	.7	.2	.1						50	50		
81/ 79			.4	1.3	2.5	3.1	1.0	1.3	.7	.2							86	86	9	
78/ 77		.1	1.1	1.3	1.8	2.0	1.3	1.7	.7								83	83	10	
76/ 75		.4	2.6	.9	3.6	2.0	3.3	1.3	.1	.1							116	116	39	9
74/ 73		.7	1.7	2.6	2.0	2.6	1.5	1.1	.1								100	100	71	23
72/ 71	.4	2.3	1.7	1.5	2.1	1.0	.9	.5									84	84	97	49
70/ 69	.7	2.3	1.1	1.1	1.8	1.0	.6	.4									74	75	121	90
68/ 67	.1	.4	.5	.7	1.6	1.2	.4	.1									41	41	107	99
66/ 65	.5	1.1	1.0	.7	.6	.5	.2										38	38	103	74
64/ 63		.4	.1	.6	.4	.4											15	16	97	73
62/ 61		.1		.2	.4	.2											8	8	66	72
61/ 59		.4	.1	.4													7	7	41	70
58/ 57				.1													1	1	27	66
56/ 55																			17	66
54/ 53																			9	47
52/ 51																			1	22
50/ 49																				24
48/ 47																				19
46/ 45																				8
44/ 43																				4
TOTAL	1.7	8.2	10.3	11.9	19.4	18.2	13.3	10.4	3.8	2.1	.6	.1					815	817	815	815
Element (X)	2x ²		2x		x		x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.	3640469		53039		65.1		15.228		815		≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb	4667973		61539		75.3		6.327		817				85.0	62.3	23.1	.2	93			
Wet Bulb	3683499		54619		67.0		5.326		815				51.8	14.7	.5		93			
Dew Point	3185289		50634		62.1		7.000		815				30.8	3.7			93			

FORM 0-26-5 (OL.A) REVISED SEPTEMBER 1965 USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

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73-81

YEARS

JUL
MONTH

PAGE 1

ALL

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OL A) RE 64
 INTRINSIC METHOD OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

73-81

YEARS

AUG
MONTH

PAGE 1 0300-0500
HOURS (L - S - T -)

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PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 1 0900-1100
HOURS (L. S. Y.)

MARTIN **9-26-5 (OLA)** **STEWART REYNOLDS COMPANY OF NEW YORK AND CHICAGO**

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP ON</u>
STATION	STATION NAME

73-81

YEARS

 AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

YEARS

AUG
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

YEARS

AUG
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

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YEARS

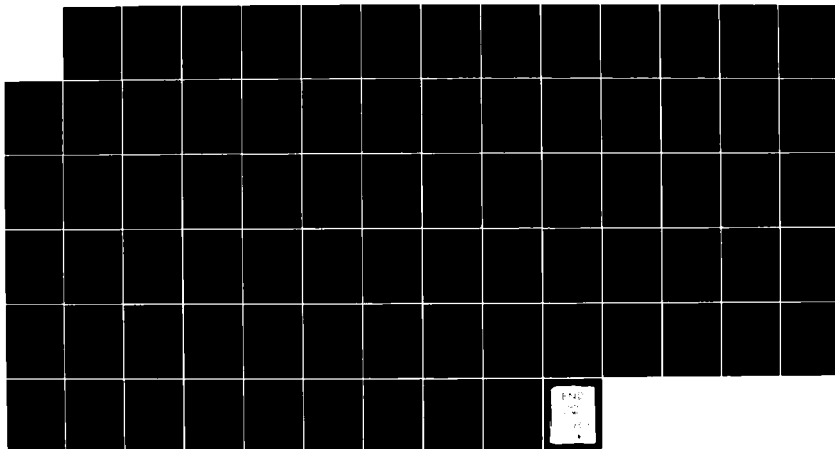
PAGE 1 2100-2300
HOURS (L. S. T.)

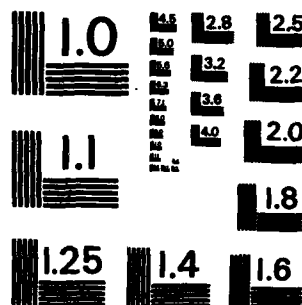
USAFETAC FORM 0-26-5 (OLA) REVERD NEWSD EDITIONS OF THIS FORM ARE OBSOLETE

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MANSFIELD/LAMM MAP OHIO REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... 03 AUG 82
UNCLASSIFIED USAFETAC/DS-82/048 SBT-AD-8860 207 P/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

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73-80

SEP
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

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73-81

YEARS

SEP
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

SEP
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
98/ 87								.1	.1									2	2					
96/ 85							.1	.4										4	4					
94/ 83					.5	.4	.3	.1										10	10					
92/ 81				.4	.5	.1	.1		.1									10	10					
90/ 79			.1	.3	.6	.3	.1	.1										12	12					
88/ 77			.5	1.0	1.0	.3	.1		.1									29	29					
86/ 75		.1	1.3	1.2	1.6	.9	.1											41	42	11				
84/ 73		.1	1.4	2.4	.6	.5	.4	.1										44	44	23	4			
82/ 71		1.0	1.8	1.4	1.3	.5	.6	.1	.1									54	54	40	21			
80/ 69		2.0	2.3	1.0	1.1	1.9	.4	.3		.1								72	72	45	38			
78/ 67		1.8	2.0	1.6	1.9	.9	.3	.1										68	68	64	53			
76/ 65		2.3	1.5	2.3	2.0	.6	.6											74	75	51	47			
74/ 63		1.6	.9	2.0	2.6	.5	.3											63	63	64	57			
72/ 61	1.0	1.8	1.0	1.6	1.4	.6	.5	.1										64	65	56	57			
70/ 59	.6	1.8	2.4	1.4	1.5	.9												72	72	85	55			
68/ 57	.3	1.4	1.9	1.4	.6	.1	.1											47	48	73	52			
66/ 55	.5	1.0	1.6	1.4	1.1	.6												55	55	77	53			
64/ 53		1.5	1.6	1.3	.4	.3												40	40	50	64			
62/ 51	.1	.6	1.1	.3		.1												19	19	68	58			
60/ 49	.1		.4	.4	.1	.1												9	9	39	62			
48/ 47			.3	.1	.1													4	4	28	49			
46/ 45																				10	46			
44/ 43																				5	27			
42/ 41																				4	14			
40/ 39																					16			
38/ 37																					8			
36/ 35																					4			
34/ 33																					6			
32/ 31																					1			
30/ 29																					1			
TOTAL	2.6	17.2	22.2	23.0	19.3	9.7	4.3	1.1	.5	.1								793	797	793	793			
Element (H)	Σ _H		Σ _K		Σ _X		Σ _U		No. Obs.		Mean No. of Hours with Temperature						Total							
Dry Bulb	9009660		58030		73.2		19.13		793		≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb	3642834		51994		65.3		7.97		793				39.2		17.3		4.2						90	
Wet Bulb	2887984		47484		59.9		7.60		793				20.8		3.9								90	
Dew Point	2849384		44402		56.0		8.934		793				.2		13.6		.5						90	

USAFETAC FORM 8-26-5 (OL A) REVERSE SERVICE DIVISION OF THE JOINT AIR COMMAND

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 HANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
92/ 91										.5	.1							5	5						
90/ 89									.5	.5								8	8						
88/ 87								.6	.1	.3	.1							10	10						
86/ 85						.6	.6	.3	.4	.4	.1							19	19						
84/ 83					.1	.5	.5	.5		.1	.3							16	16						
82/ 81				.1	.5	1.1	1.4		.4									28	28						
80/ 79			.4	1.5	1.6	.5	.6	.4	.5									44	44						
78/ 77		.1	1.0	1.6	.8	1.8	.5	.8	.1	.3								56	56	1					
76/ 75		.5	1.1	.9	1.5	.8	.9	1.0	.1	.3								56	56	12					
74/ 73		.1	1.1	1.5	1.6	2.7	1.1	.5	.1									87	87	42	4				
72/ 71		.4	1.3	1.3	1.0	.8	2.0	.4	.4	.4								64	64	47	12				
70/ 69		.5	1.5	.5	1.5	1.6	2.4	.9	.4	.3								76	76	70	33				
68/ 67	.1	.6	1.1	1.1	1.0	2.5	1.8	.9	.4	.3								78	79	56	61				
66/ 65		.6	1.0	.8	1.6	1.6	1.4	.6	.1									64	64	71	55				
64/ 63	.5	.9	.3	.3	1.0	.4	.9	.8										43	43	66	54				
62/ 61		.5	.4	.1	.9	.6	.5	.5										32	32	66	59				
60/ 59		.4		1.3	.4	.4	1.1											39	39	79	49				
58/ 57		.1	.6	.6	.4	.5	.1											19	19	64	45				
56/ 55	.4	1.6	.4	.4		.1	.1											28	28	56	47				
54/ 53		.1	.6	.1	.4	.1												13	13	70	55				
52/ 51			.1		.1	.1												4	4	31	61				
50/ 49				.1		.1												2	2	34	55				
48/ 47																				15	58				
46/ 45																				4	32				
44/ 43																				5	19				
42/ 41																				1	22				
40/ 39																				1	18				
38/ 37																					26				
36/ 35																					14				
34/ 33																					9				
32/ 31																					4				
30/ 29																					2				
28/ 27																					2				
Element (K)	S ₁		S ₂		S ₃		S ₄		S ₅		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 14-64 0-26-5 (OL A) REVERSE SIDE OF THIS FORM IS OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81
YEARS

SEP
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point					
88/ 87							.1	.1										2				2			
86/ 85							.1	.1	.1									4				4			
84/ 83							.1	.1	.3	.1								5				5			
82/ 81				.5		1.0	.1	.1	.1									14				14			
80/ 79			.1	.1	.5	.5												10				10			
78/ 77			.5	1.0	.5	.5	.4		.1									26				26			
76/ 75		.5	1.4	1.7	.5	.1	.1	.1		.1								35				35	8		
74/ 73	.8	2.3	1.9	.8	.4	.5	.3											54				54	18	6	
72/ 71	.8	1.4	.6	1.5	.8	.6	.4	.3										50				50	35	12	
70/ 69	2.3	1.9	1.3	1.5	.9	.1												63				63	64	31	
68/ 67	1.9	3.1	1.5	1.7	1.4	.9		.3										83				84	58	54	
66/ 65	.4	1.2	1.8	2.2	.8	.3	.1	.1										70				70	54	57	
64/ 63	.5	1.4	2.2	1.4	1.8	.9	.4	.3	.1									70				71	70	46	
62/ 61	.8	1.3	1.5	1.9	1.9	.4	.5											65				66	65	52	
60/ 59	.4	1.2	1.2	1.9	1.3	.1	.6											52				52	73	59	
58/ 57	.1	.6	1.3	.8	.9	.6	.1											35				35	66	63	
56/ 55		1.9	2.7	1.0	.6	.1												52				52	57	40	
54/ 53	.4	.6	2.4	.4	.6	.1												37				37	72	45	
52/ 51		.4	1.8	.4	.5													22				22	38	74	
50/ 49		.1	.5	.9														12				12	51	51	
48/ 47	.1	.8		.6	.4													15				15	22	56	
46/ 45				.4														3				3	23	35	
44/ 43																							11	27	
42/ 41			.1															1				1	3	11	
40/ 39			.1															1				1	4	19	
38/ 37																							1	24	
36/ 35																								6	
34/ 33																								6	
32/ 31																								5	
30/ 29																								2	
TOTAL	2.7	15.2	25.5	20.4	18.7	9.7	4.9	1.7	1.2	.1								781				785		781	
Element (X)	2 _H		2 _H		X		X		No. Obs.		Mean No. of Hours with Temperature										Total				
Ref. Num.	4242151		54453		72.3		14.395		781		≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb	3366657		50997		65.0		8.273		785						39.9		17.2		3.7				90		
Wet Bulb	2807124		46419		59.4		7.861		781						19.6		3.0						90		
Dew Point	2400427		43219		55.3		9.390		781				.6		11.4		.7						90		

FORM 0-26-5 (OL A) REVERSE NETWORK BRANCHES OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEAR

SEP
MONTH

PAGE 1 2100-2300
H01083 (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP
MONTH

ALL
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
92/ 91									.0	.1	.0							7	7					
91/ 89									.1	.1								15	15					
90/ 87							.0	.2	.1	.0	.0							23	23					
86/ 85						.2	.2	.1	.1	.1	.0							40	40					
84/ 83				.0	.1	.2	.2	.2	.0	.0	.0							53	53					
82/ 81				.2	.2	.4	.4	.0	.1		.0							80	80					
81/ 79			.1	.2	.6	.5	.1	.1	.0	.1								111	111					
76/ 77			.2	.7	.8	.4	.4	.2	.2	.0	.0							175	175	2				
76/ 75		.1	.6	.9	.7	.5	.1	.3	.2	.0	.0							221	222	48	1			
74/ 73		.4	1.4	1.4	.7	.6	.8	.3	.1	.0								349	349	133	21			
72/ 71		.9	1.8	.7	.7	.5	.6	.2	.1	.0								349	349	229	77			
70/ 69	.1	1.5	2.3	.6	.9	.8	.7	.2	.1	.0								450	452	366	216			
68/ 67	.4	2.0	2.1	.9	.9	.9	.6	.2	.1	.0								496	498	368	380			
56/ 65	.3	2.8	1.8	1.1	1.2	.6	.9	.2	.0									519	520	498	395			
64/ 63	.4	2.0	1.1	.9	1.1	.6	.1	.2	.0									410	411	514	417			
62/ 61	.6	2.3	1.2	1.1	.8	.3	.2	.1										407	409	453	417			
60/ 59	1.0	2.5	1.9	1.2	.6	.4	.1											473	475	527	450			
58/ 57	.4	2.5	1.6	.8	.5	.1	.1											382	387	512	399			
56/ 55	.4	2.2	2.2	1.0	.4	.2	.0											392	396	503	391			
54/ 53	.2	2.3	1.9	.1	.3	.1	.0											341	341	455	417			
52/ 51	.1	2.2	1.6	.1	.1	.1												274	275	431	460			
50/ 49	.2	1.8	1.1	.3	.0	.0												206	206	400	498			
48/ 47	.2	1.4	.6	.2	.1													150	150	304	437			
46/ 45	.0	1.0	.3	.1														85	85	185	340			
44/ 43	.0	.5	.2	.0														51	52	114	241			
42/ 41	.0	.3	.3															38	38	59	164			
40/ 39	.1	.4	.2															42	42	47	168			
38/ 37	.0	.1	.0															13	13	34	119			
36/ 35		.1																5	5	22	69			
34/ 33		.0																1	1	4	33			
32/ 31																					36			
30/ 29																					10			
28/ 27																					2			
Element (X)	Σ H'		Σ H		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

ALL

HOURS (L - S - T -)

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PSYCHROMETRIC SUMMARY

73-81

YEARS

OCT

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-81

OCT

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
74 / 73					.1	.2												3	3					
72 / 71				.6	.7													11	11					
70 / 69			.6	.7	1.1	.5	.2	.1		.1								28	28					
68 / 67			1.0	.2	.4	.2	.5											19	19	2				
66 / 65		.4	1.0	.7	.9	.4	.7	.1										34	34	17	1			
64 / 63		1.0	.1	.7	.9	1.0	.6	.2	.1									38	38	21	13			
62 / 61	.2	.4	.9	.7	.7	.6	.4											32	33	27	22			
60 / 59	.1	1.6	.4	1.0	1.0	2.0	.4											52	52	26	18			
58 / 57	.2	1.0	.9	1.6	1.1	1.0	.1											47	47	36	34			
56 / 55	.1	1.6	.6	2.0	2.0	1.1												60	60	36	22			
54 / 53	.4	1.9	1.2	2.7	1.7	1.0	.1											70	70	50	30			
52 / 51	.1	.6	2.3	1.6	1.5	.6	.1											58	58	51	26			
50 / 49		1.7	2.7	2.0	1.7	.2												68	68	66	31			
48 / 47	.1	2.0	2.2	1.8	1.6	.1												64	64	89	41			
46 / 45		3.4	1.9	2.0	.4													59	59	81	61			
44 / 43	.7	1.1	1.7	2.2	.6													52	52	82	84			
42 / 41		1.2	1.3	1.6	.4													39	39	50	60			
40 / 39	.2	1.9	1.3	.7	.1													32	32	58	69			
38 / 37		.9	1.1	.6														18	18	45	51			
36 / 35		.6	1.2	.1														16	16	29	54			
34 / 33		.4	.7															9	9	23	50			
32 / 31		.4	.2															5	5	17	55			
30 / 29			.1															1	1	8	29			
28 / 27																				1	25			
26 / 25																					22			
24 / 23																					7			
22 / 21																					7			
20 / 19																					2			
18 / 17																					1			
TOTAL	2.3	20.7	22.8	24.4	16.6	9.0	3.2	.9	.1	.1								815	816		815			
																					</			

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YEARS

PAGE 1 1200-1400
HOURS (L. S. T.)

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

OCT

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
79						.1		.1										2	2													
78							.6	.5										9	9													
76					.9	.5	1.0	.3	.2	.5								29	29													
74					.7	1.3	.7	.4	.2									28	28													
72					.4	.6	.9	1.0	1.1									32	32													
71					.6	.4	1.1	1.3	.7	.2								39	39	3												
68			.2	.4	.1	.9	.9	.9	.6									32	32	5												
66		.6	.5	.9	.4	1.2	1.5	.9	.7	.1								52	52	22												
64		.2	.4	.2	.1	1.5	2.1	1.1	.5									52	52	36	4											
62		1.1	.5	.9	.2	1.3	1.6	.9										53	53	30	12											
60		.7	.7	.7	.7	2.0	2.0	.4										59	59	37	22											
58			.1	.2	2.1	1.6	1.5	.4										48	48	41	40											
56		.6	.2	.4	2.2	1.1	1.0	.1										46	46	64	27											
54		1.2	.6	1.3	1.3	1.0	.9											52	52	49	16											
52		.9	.9	1.6	1.6	2.0												58	58	66	40											
50	.4	1.3	1.6	1.9	.9	.9												53	53	80	31											
48		.1	1.3	.7	2.2	.4												39	40	87	36											
46		.9	1.0	1.6	1.3	.2												38	38	61	48											
44	.1	.6	.6	1.0	1.1	.1												29	29	56	57											
42	.1	.6	1.3	.9	1.3													32	32	45	71											
40	.2	.2	.4	.4	.2													12	12	51	90											
38	.1	.4	.5	.6														13	13	34	60											
36		.9	.2	.2														8	8	24	37											
34			.2															2	2	16	86											
32																				6	51											
30																				4	39											
28																					23											
26																					22											
24																					15											
22																					9											
20																					5											
TOTAL	1.0	9.7	11.6	13.1	16.7	17.0	15.5	8.3	4.2	.9								817	818		817											
Element (X)	Σ x'			Σ x			Σ x²		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.	2926803			46903			57.416.940		817		≤ 67 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total											
Dry Bulb	2783289			46973			57.410.254		818				19.4		7.7						93											
Wet Bulb	2084690			40392			49.48.412		817				1.1		.9						93											
Dew Point	1482706			33842			41.49.957		817				18.7								93											

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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USAFETAC FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LANH MAP OH
STATION STATION NAME

73-80
YEARS

NOV
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67						.2												1	1		
66/ 65					.5													3	4		
64/ 63		.2	.2	.5	.2													6	8		
62/ 61		1.1	.6	.6		.2												16	19	1	
6 / 59		1.7	1.1	.3	.6													24	29	16	2
58/ 57		1.5	.3	.2	.6				.5									20	23	17	12
56/ 55		1.8	.5	.6	.5													22	25	24	23
54/ 53			.2	1.5	.8	.2	.2											18	21	14	19
52/ 51		.2	.2	.9	.5	.5												14	14	9	11
5 / 49		.9	.8	.8	.3	.2												19	20	11	2
48/ 47	.5	1.1	.5	.6	.5													20	23	25	10
46/ 45		1.8	1.7	1.5	.6													37	39	20	17
44/ 43		2.3	2.1	.2	.3													32	34	30	12
42/ 41		.9	1.5	.6	.3													22	30	34	28
4 / 39		1.5	2.9	.9	.3													37	42	37	27
38/ 37		3.4	2.0	.9														41	46	29	30
36/ 35	.2	5.3	2.6	.9														59	62	41	23
34/ 33	.8	4.9	1.7															48	48	74	36
32/ 31	.8	6.4	2.6															64	64	58	80
3 / 29	.6	5.6	1.2															49	49	57	61
28/ 27	.6	3.2	.3															27	27	56	37
26/ 25	.5	3.5	.2															27	27	29	68
24/ 23	.3	2.3																17	17	32	30
22/ 21	1.2	1.4																16	17	23	31
20/ 19	.2	.5																4	4	6	48
18/ 17	.5																	3	3	3	24
16/ 15	.3	.3																4	4	3	12
14/ 13		.3																2	2	1	5
12/ 11																				2	1
8/ 7																					1
6/ 5																					2
4/ 3	.5																	3	3	3	
2/ 1																					1
C/ -1																					2
Element (X)	Σ _g		Σ _h		Σ		C _h		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-24-5 (O.L.A.) REVISED SEPTEMBER 1964 OF THE FORM 0-24-5 OBSOLETE
USAFETAC

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USAFETAC FORM 0-26-5 (OLA) REVERSE REVISIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

NOV
MONTH

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-81

NOV
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
67 / 67			.1	.1	.1															3	3			
66 / 65		.1	.2	.5	.1	.2	.1													11	11			
64 / 63		.6	.9	.5	.1	.2	.1													20	20	2		
62 / 61		1.2	.2	.4	.2	.1														18	18	17	4	
60 / 59		1.4	.9	.5	.1	.1		.1												25	25	19	15	
58 / 57	.1	1.1	.4	.6	.4	.1														22	22	22	21	
56 / 55		1.2	.4	.6	.5	.7	.2													30	30	17	5	
54 / 53		.6	.7	.6	.1		.1	.1												19	19	21	14	
52 / 51		1.4	.7	.7	1.1	.2	.1	.1												36	36	18	18	
50 / 49	.4	1.2	1.4	1.0	1.1	.2	.4													46	44	35	20	
48 / 47	.2	1.7	.5	.4	.5															27		24	24	
46 / 45	.1	1.4	1.5	1.5	.9	.2														45	45	39	24	
44 / 43		1.2	1.6	1.0	.5	.1														36	36	35	29	
42 / 41		2.9	2.1	1.2	.7															56	56	44	23	
40 / 39	.4	1.0	3.4	.9	.1															46	46	51	31	
38 / 37		1.7	2.9	.9	.1															45	45	51	37	
36 / 35		2.4	3.0	.2	.1															46	46	57	36	
34 / 33		6.5	3.6	.5																85	85	61	38	
32 / 31	1.0	6.0	4.0	.2																90	90	95	79	
30 / 29	.4	2.4	1.1																	31	31	79	81	
28 / 27	.5	1.7	.7																	24	24	54	64	
26 / 25		1.4																		11	11	18	67	
24 / 23		1.0	.1																	9	9	16	38	
22 / 21		1.0																		8	8	12	35	
20 / 19		.6																		5	5	3	37	
18 / 17	.1																			1	1	5	26	
16 / 15																							13	
14 / 13		.1																		1	1		5	
12 / 11		.1																		1	1	1	1	
10 / 9	.1	.2																		3	3	4		
8 / 5	.1																			1	1	1	4	
4 / 3																							1	
2 / 1																							1	
Element (X)	Σ X'		Σ X		Σ	Σ	Σ	Σ	No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	3.5	42.4	30.6	12.5	7.0	2.5	1.1	.4										801	801	801	801		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
72/ 71				.1															1	1																
71/ 69				.6	.6	.1		.3											13	13																
68/ 67			.9	.4	.5	.6	.5	.6											28	28																
66/ 65		.1	.6	.5	.4	.1	.3	.1	.3										19	19	2															
64/ 63		.3	.5	.5	.3	.1	.5	.5	.1										22	22	19	3														
62/ 61		.8	.9	.5	1.0	.5	.3	.3	.1										34	34	12	10														
60/ 59		.5	.3	.1	.4	1.1	.8	.3	.4										30	30	24	11														
58/ 57		.4	.4	.4	.4	1.0	.5												24	24	20	25														
56/ 55		.6	.1	.1	.9	.3	.3	.1	.1										20	20	19	11														
54/ 53		1.0	.1	.8	.8	.1	.3												24	24	21	18														
52/ 51	.3	.9	1.0	.6	1.1	.5	.1	.1											37	37	32	22														
50/ 49	.3	1.1	.8	1.1	1.1	.9													42	42	32	9														
48/ 47		.8	.4	1.0	1.4	1.4	.4												40	40	44	21														
46/ 45		1.9	.4	1.6	1.9	.8													52	52	36	22														
44/ 43	.1	.9	1.6	.9	1.5	.3													42	42	39	30														
42/ 41	.3	1.3	.9	1.6	.8	.1													39	39	39	29														
40/ 39	.1	1.3	3.2	1.9	.9														58	58	58	28														
38/ 37		1.3	1.6	1.1	.5														36	36	60	48														
36/ 35	.1	2.4	4.6	2.3															74	74	62	39														
34/ 33	.4	3.2	4.9	.9															74	74	62	41														
32/ 31	.1	1.1	1.5																22	22	82	55														
30/ 29	.4	1.9	.8																24	24	69	46														
28/ 27	.3	1.0	.6	.1															16	16	23	96														
26/ 25		.8	.4																9	9	13	59														
24/ 23		.3	.1																3	3	11	44														
22/ 21		.1																	2	2	4	46														
20/ 19																					2															
18/ 17																						12														
16/ 15		.4																	3	3	2	5														
14/ 13																					1	5														
12/ 11		.4																	3	3		2														
10/ 9																					3	2														
8/ 5																						4														
Element (X)	Σ x'					Σ x					Σ					Σ					Σ					Σ										
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

VT 422

NOV
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	2.3	24.4	26.5	17.3	14.4	8.0	3.8	2.3	1.0									791	791	791	791			

PSYCHROMETRIC SUMMARY

73-81

YEARS

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

NOV

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 1 1000-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
68/ 67			.1	.1	.4													5	8						
66/ 65			.3	1.3				.1										13	16						
64/ 63			.1	.1	.3	.4	.1											8	9	2					
62/ 61		.4	.7	.9	.4	.1	.3											21	22	7					
60/ 59		.9	.9	.1	.3	.4	.3	.1										23	26	14	4				
58/ 57		1.4	.1	.5	.8	.3	.3	.1										27	27	18	17				
56/ 55		1.1	1.2	.4	.7	.3	.4	.1										31	31	23	22				
54/ 53	.1	.4	.3	.9	.3	.1												16	16	17	15				
52/ 51	.1	1.2	.9	.8	.8	.1												30	30	26	14				
50/ 49	.1	.5	1.4	.5	.7	.4												28	34	26	15				
48/ 47	.4	1.8	1.4	.8	1.2		.1											44	46	31	22				
46/ 45	.3	.7	.7	1.4	.7													27	28	37	18				
44/ 43	.3	1.7	2.2	1.2	.9													48	53	36	31				
42/ 41	.3	1.1	1.6	2.6	.5													46	46	31	31				
40/ 39	.1	1.2	1.6	1.6	.3													36	37	48	27				
38/ 37	.3	2.9	2.9	1.1	.1													52	55	44	34				
36/ 35	.3	2.4	4.3	.9	.1													58	60	57	31				
34/ 33	.3	4.0	4.9															68	69	62	43				
32/ 31	.3	3.8	4.6	.9														70	70	85	55				
30/ 29	.1	3.0	1.8															42	42	73	59				
28/ 27	.3	1.8	.3															17	17	47	71				
26/ 25	.9	2.0	.1															20	20	29	69				
24/ 23	.1	.9																8	8	23	33				
22/ 21	.1	1.4																11	11	7	34				
20/ 19	.4	.3																5	5	10	46				
18/ 17																				1	29				
16/ 15	.1																	1	1	1	11				
14/ 13	.1																	1	1	1	3				
12/ 11																					2				
10/ 9	.1																	1	1	1					
8/ 5	.1																	1	1	1	1				
4/ 3	.1																	1	1	1					
2/ 1																					2				
Element (X)	Σ ₁		Σ ₂		Σ ₃		Σ ₄		Σ ₅		Σ ₆		Σ ₇		Σ ₈		Σ ₉		Σ ₁₀		Σ ₁₁		Σ ₁₂		
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

USAFETAC

PSYCHROMETRIC SUMMARY

NOV
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

2

73-81

YEARS

NOV
MONTH

HOURS (L, S, T)

[illegible]

2

YEARS

NOV
MONTH

HOURS (L. S. T.)

0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb		Wet Bulb	Dew Point					
72 / 71				.0	.1	.0												7	7							
71 / 69				.2	.2	.0												33	33							
69 / 67			.1	.1	.3	.2	.1	.1	.0									61	67							
66 / 65		.0	.2	.5	.2	.0	.1	.0	.0									68	72	9						
64 / 63		.2	.4	.4	.2	.2	.2	.1	.0									106	113	35	3					
62 / 61		.9	.4	.4	.3	.2	.1	.1	.0									153	166	57	18					
59 / 59	.0	1.1	.6	.3	.2	.3	.2	.1	.0									184	198	146	57					
57 / 57	.0	1.2	.5	.4	.4	.3	.2	.0	.1									190	197	136	138					
56 / 55	.1	1.2	.5	.5	.4	.2	.2	.1	.0									198	205	179	147					
54 / 53	.1	.6	.4	.9	.5	.1	.1	.0										173	181	163	143					
52 / 51	.2	.8	.7	.7	.7	.4	.1	.0										227	230	148	134					
50 / 49	.1	.9	1.0	.8	.7	.5	.1											250	264	200	92					
48 / 47	.2	1.2	.6	.7	.8	.3	.1											235	244	239	150					
46 / 45	.1	1.4	1.0	1.2	.9	.2	.0											285	290	245	147					
44 / 43	.1	1.5	1.5	1.0	.8	.1												301	316	247	188					
42 / 41	.1	1.7	1.4	1.2	.6	.0												304	319	300	213					
40 / 39	.3	1.7	2.4	1.2	.4	.0												363	378	268	236					
38 / 37	.1	2.2	2.6	1.1	.2													370	387	363	272					
36 / 35	.2	3.3	3.4	.9	.0													470	483	393	260					
34 / 33	.3	4.9	3.1	.1														536	540	544	291					
32 / 31	.7	4.9	2.8	.1														509	510	644	563					
30 / 29	.5	3.1	1.3	.0														298	298	555	488					
28 / 27	.6	2.8	.4	.0														234	234	363	548					
26 / 25	.4	2.1	.1															155	155	243	556					
24 / 23	.3	1.3	.0															97	97	183	295					
22 / 21	.5	1.0																90	91	124	310					
20 / 19	.3	.4																40	40	45	368					
18 / 17	.2	.1																23	23	31	208					
16 / 15	.1	.1																17	17	17	94					
14 / 13	.0	.1																7	7	8	34					
12 / 11	.0	.1																9	9	7	18					
10 / 9	.0	.1																6	6	11	8					
8 / 7																				1	3					
6 / 5	.0																	3	3	3	13					
Element (X)	Σ x'		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 86 F		≤ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

YEARS

NOV
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4 / 3	.2																	10	10	10	3												
4 / 1	.3																	2	2	2	8												
7 / -1																					6												
- / -3																					2												
TOTAL	5.94	1.02	5.91	3.4	7.9	3.2	1.6	.7	.4										6014	6192		6014											
																		6014		6014													
												</																					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 MANSFIELD LAHM MAP OH
STATION STATION NAME

73-80

YEARS

DEC
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
59 / 59			.6	.1														5	5	
58 / 57		.1	.1	.4														5	5	
56 / 55		.6	.4	.7		.4												15	15	6
54 / 53		.7	.1		.3													8	8	5
52 / 51			.1															1	1	9
50 / 49	.4		.3	.1	.1	.3												9	9	9
48 / 47		1.1		.1		.3												11	11	4
46 / 45		.7	.1	.4	.6													13	13	14
44 / 43		.6	.6		.1													9	9	5
42 / 41	.4	.1	1.3	.4														16	16	10
40 / 39	.7	1.7	.8	.1														24	24	20
38 / 37	.3	.6	1.1	.8	.7													25	25	26
36 / 35	1.5	2.9	2.8	.6	.1													57	57	25
34 / 33	2.1	4.2	3.1	.6														71	71	56
32 / 31	1.5	5.7	2.8	1.0														79	81	74
30 / 29	1.5	5.0	2.9															68	68	77
28 / 27	.7	3.3	1.4	.6														43	44	65
26 / 25	1.8	3.9	1.1															49	50	61
24 / 23	.4	3.6	.3															31	33	49
22 / 21	2.1	2.6																34	37	46
20 / 19	1.4	2.6																29	29	29
18 / 17	.6	.1																5	5	14
16 / 15	.4	1.3																12	12	10
14 / 13	1.8	2.9																26	26	13
12 / 11	1.7	1.0																19	19	29
10 / 9	1.4	.3																12	12	17
8 / 7	.6	1.3																13	13	10
6 / 5	.7	.3																7	7	10
4 / 3	.7	.1																6	6	6
2 / 1	.7	.6																9	9	10
0 / -1	.4	.1																4	4	3
-2 / -3																				1
-4 / -5	.1	.1																2	2	1
-6 / -7	.1																	1	1	2
Element (X)	Σ X ²		Σ X		Σ		°		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

PSYCHROMETRIC SUMMARY

73-80

DEC
MON 11

PAGE 2 0000-0200
HOURS (L, P, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-9	.1																	1	1	1	1			
-1/-11																					3			
-1/-13																					1			
-14/-15																					2			
-16/-17																					1			
-18/-19																					1			
TOTAL	23.5	47.7	19.9	6.0	1.9	1.0												719	728	719	719			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246	MANSFIELD LAHM MAP OH
STATION	STATION NAME

73-81

DEC
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

725246	MANSFIELD LAHM MAP OH
STATION	STATION NAME

73-81

DEC

PAGE 2 0300-0500
HOURS (L. S. T.)

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FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
57/ 57		.1																1	1						
56/ 55		.2	.5															6	6	1					
54/ 53		.5	.1															5	5	4					
52/ 51	.1		.5															5	5	7					
50/ 49	.2	.9	.2	.2	.1	.2												16	16	7					
48/ 47	.2	.5	.5	.1	.1													12	12	11					
46/ 45	.4	.2		.5														9	9	10					
44/ 43	.1	.7	.4	.2														12	12	7					
42/ 41	.1	1.1	.4	.1														14	14	10					
40/ 39	.9	1.2	.6	.1	.1													24	24	26					
38/ 37	.7	2.6	.9	.4	.1													38	38	26					
36/ 35	1.5	2.7	1.0	1.0														50	50	35					
34/ 33	2.1	2.9	1.2	.1	.1													53	53	54					
32/ 31	2.4	4.5	3.2															83	83	56					
30/ 29	1.9	3.0	3.5	.1														71	71	80					
28/ 27	2.4	4.5	1.0															65	65	65					
26/ 25	2.4	5.7	.5															71	71	90					
24/ 23	.7	2.6	.4															30	30	61					
22/ 21	1.9	2.7	1.0															46	46	41					
20/ 19	3.6	3.8	.4															64	64	58					
18/ 17	.7	2.2																24	24	39					
16/ 15	1.1	.9	.1															17	17	21					
14/ 13	1.3	.5																15	15	19					
12/ 11	1.5	.6																17	17	16					
10/ 9	1.5	1.1																21	21	21					
8/ 7	1.3	.7																17	17	19					
6/ 5	.7	.2																8	8	10					
4/ 3	.7	.5																10	10	8					
2/ 1	.1	.7																7	7	4					
0/ -1	.6																	5	5	10					
-2/ -3	.2																	2	2	2					
-4/ -5	.2																	2	2	2					
-6/ -7	.1																	1	1	1					
-8/ -9	.1																	1	1	1					
Element (X)	Σ X ²		Σ X		X		n		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≥ 6 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725246 STATION MANSFIELD LAHM MAP OH STATION NAME

73-81 YEARS

DEC MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
60 / 57			.6		.1													6		6																
56 / 55			.4		.1													4		4																
54 / 53		.4	.4			.2												8		8																
52 / 51			.2		.2													4		4																
50 / 49		.2	.2	.1	.2													7		7																
48 / 47	.4	.9	.4	.1	.4													17		17																
46 / 45	.1	.7	.6	.2	.1													15		15																
44 / 43	.2	.6	.5	.2	.1													14		14																
42 / 41	.4	1.5	.5	.2	.1													22		22																
40 / 39	.4	1.1	1.3	.2	.1													26		26																
38 / 37	.6	1.5	1.7	.6														36		36																
36 / 35	1.0	2.0	2.1	.6														46		46																
34 / 33	2.8	4.2	2.1	1.2	.1													85		85																
32 / 31	2.4	5.6	4.8	.5														109		110																
30 / 29	1.6	4.7	2.7	.2														75		75																
28 / 27	1.7	3.2	1.6															53		53																
26 / 25	2.1	3.8	1.3															59		59																
24 / 23	1.1	2.3	.5															32		32																
22 / 21	2.3	2.9	1.0															51		52																
20 / 19	.9	2.8	.2															32		32																
18 / 17	.7	1.8	.2															23		23																
16 / 15	.6	1.7																19		19																
14 / 13	.1	1.5																13		13																
12 / 11	1.3	.9	.1															19		19																
10 / 9	.5	1.1																13		13																
8 / 7	.5	.4																7		7																
6 / 5	.5	.4																11		11																
4 / 3	.1	.4																4		4																
2 / 1		.4																3		3																
0 / -1	.2																	2		2																
-2 / -3																																				
-4 / -5	.1																	1		1																
-6 / -7																																				
-8 / -9	.1																	1		1																
Element (X)	Σ					Σ	Σ	Σ	Σ	No. Obs.												Mean No. of Hours with Temperature										Total				
Rel. Hum.																						± 0 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F														
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (OLA) REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

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6

YEARS

PAGE 2 0900-1100
HOURS (L. S. T.)

FORM 0-26-S (O.L.A.) SERVICE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

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YEARS

PAGE 1 1200-1400
HOURS (L. S. T.)

ISAPETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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73-81

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1200-1400

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26-5 (OL A) JAN 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
YEARS

YEARS

DEC
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
67 / 59		.1	.4															4	4						
58 / 57			.1	.3														3	3	1	1				
56 / 55		.9	.3	.8	.3													17	17	5					
54 / 53		.1	.3	.3														5	5	8	4				
52 / 51		.8	.9	.1														14	14	5	9				
5 / 49	.4	.1		.9	.1	.1												13	13	20	7				
48 / 47		.3	.4	.4	.1													9	9	8	9				
46 / 45		1.1		.3														11	11	4	14				
44 / 43	.1	1.0		.3	.3													13	13	18	3				
42 / 41	.3	.9	1.3	.3														21	21	19	13				
40 / 39	.4	.9	.9	.5	.3													23	23	15	16				
38 / 37	.5	1.0	2.3	.8														36	36	19	20				
36 / 35	2.3	2.9	2.0	1.0	.3													67	67	40	20				
34 / 33	2.0	4.9	1.9	.9														74	74	67	36				
32 / 31	1.8	5.3	4.5	.9														96	98	87	57				
30 / 29	1.5	6.9	2.9	.3														92	96	76	57				
28 / 27	1.8	4.3	2.5	.4														71	72	100	53				
26 / 25	1.8	1.9	.6															33	35	82	68				
24 / 23	.3	1.8	.6															21	23	29	63				
22 / 21	.8	2.3	1.0															32	34	30	50				
20 / 19	1.3	3.3																36	36	42	55				
18 / 17	.8	1.3	.1															17	17	28	47				
16 / 15	.6	2.4																24	24	17	40				
14 / 13	.6	1.9																20	20	18	26				
12 / 11	.1	.6																7	7	17	44				
10 / 9	.4	1.3	.1															14	14	8	19				
8 / 7	.3	.9																6	6	15	12				
6 / 5		.1																1	1	2	8				
4 / 3	.1																	1	2	1	11				
2 / 1	.1	.5																5	5	4	8				
0 / -1	.3																	2	2	3	5				
-2 / -3	.5																	4	4	4	4				
-4 / -5	.3	.3																4	4	4	2				
-6 / -7																					7				
Element (X)	ΣX'		ΣX		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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HOURS L. S. T.

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PSYCHROMETRIC SUMMARY

<u>725246</u>	<u>MANSFIELD LAHM MAP OH</u>
STATION	STATION NAME

73-81

YEARS

DEC

MONT :

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-8/-9																					2				
-1/-11																					2				
-12/-13																					2				
-16/-17																					2				
-18/-19																					2				
TOTAL	21.5	50.4	19.7	6.9	1.5													797	814	797					

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

ALL

HOURS (L. S. T.)

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73-81

YEARS

ALL
MONTH

PAGE 1

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
96/ 95									.0									4	4													
94/ 93								.0	.0									16	16													
92/ 91						.0	.0	.0	.0	.0	.0	.0	.0					57	57													
90/ 89						.0	.0	.0	.1	.0	.0	.0	.0	.0				110	110													
88/ 87					.0	.0	.1	.1	.0	.0	.0	.0	.0					208	208													
86/ 85				.0	.1	.2	.1	.1	.1	.0	.0	.0	.0					433	433													
84/ 83				.0	.1	.2	.1	.2	.1	.1	.0	.0						613	614													
82/ 81			.0	.1	.2	.2	.3	.2	.1	.1	.0							921	922	2												
80/ 79		.0	.1	.2	.2	.4	.3	.2	.3	.1	.0	.0						1343	1347	52												
78/ 77	.0	.0	.2	.4	.5	.3	.4	.3	.1	.1	.0	.0						1645	1653	144												
76/ 75	.0	.1	.5	.6	.5	.4	.4	.3	.2	.1	.0	.0						2193	2200	542												
74/ 73	.0	.3	.7	.6	.4	.4	.4	.2	.1	.0	.0	.0						2305	2310	1170												
72/ 71	.0	.6	.9	.5	.4	.3	.3	.2	.2	.0	.0	.0						2516	2524	1859												
70/ 69	.1	.9	1.1	.5	.5	.4	.4	.2	.2	.0	.0							2985	3005	2760												
68/ 67	.2	.9	.9	.5	.5	.4	.4	.1	.1	.0	.0							2879	2903	3064												
66/ 65	.2	1.1	.8	.6	.4	.4	.3	.1	.1	.0								2941	2969	3071												
64/ 63	.2	1.0	.5	.5	.4	.3	.3	.1	.1	.0								2561	2586	3216												
62/ 61	.2	1.0	.5	.5	.4	.3	.3	.1	.0	.0								2490	2529	2950												
60/ 59	.2	1.1	.8	.5	.3	.4	.3	.1	.0									2823	2860	2992												
58/ 57	.2	1.0	.7	.4	.4	.3	.3	.1	.0									2476	2501	2867												
56/ 55	.1	1.0	.7	.5	.4	.3	.3	.0	.0									2426	2442	2897												
54/ 53	.1	.8	.6	.6	.4	.3	.3	.0										2175	2188	2543												
52/ 51	.1	.9	.7	.4	.4	.3	.3	.0										2152	2165	2374												
50/ 49	.1	.8	.6	.6	.4	.3	.3	.0										2201	2304	2516												
48/ 47	.1	.9	.6	.5	.6	.3	.3	.0										2044	2058	2517												
46/ 45	.1	1.1	.7	.6	.4	.3	.3	.0										2194	2204	2530												
44/ 43	.1	.9	.8	.5	.4	.3	.3	.0										2044	2072	2346												
42/ 41	.1	.9	.8	.5	.4	.3	.3	.0										1980	2004	2304												
40/ 39	.2	.9	.9	.5	.3	.3	.3	.0										2065	2104	2443												
38/ 37	.2	1.2	.9	.5	.3	.3	.3	.0										2187	2224	2373												
36/ 35	.4	1.5	1.4	.4	.1													2541	2580	2404												
34/ 33	.4	1.7	1.1	.3	.0													2607	2639	2952												
32/ 31	.4	2.0	1.3	.2	.0													2960	3023	2801												
30/ 29	.4	1.5	.9	.1	.0													2205	2243	3050												
Element (X)	S _W		S _W		X		e ₂		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											± 0 F		± 32 F		± 67 F		± 72 F		± 80 F		± 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

0-26-5 (OLA) SERVED PREVIOUS EPISODES OF THIS FORM AND COMPLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72 246 MANSFIELD LAHM MAP OH

73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0-07	MEAN	22.6	24.3	25.4	44.6	53.2	62.0	66.7	66.0	58.7	47.8	39.6	29.0	45.8	
	S.D.	13.698	13.719	11.965	11.250	9.449	7.704	6.549	6.488	8.382	9.521	11.722	11.892	18.497	
	TOTAL OBS	817	747	824	787	815	788	816	730	703	730	705	728	9190	
8-05	MEAN	22.0	23.6	34.3	42.8	51.7	60.1	64.9	64.4	57.3	46.6	38.7	28.2	44.7	
	S.D.	13.891	13.983	12.140	11.483	9.433	8.028	6.970	6.622	8.719	9.424	11.604	11.762	18.196	
	TOTAL OBS	809	748	821	795	821	798	814	792	761	784	730	764	9437	
6-08	MEAN	20.9	22.3	34.0	43.5	54.1	63.1	67.4	65.8	57.9	46.0	37.9	27.3	45.1	
	S.D.	13.414	14.087	12.058	11.215	9.153	7.408	6.435	6.025	8.525	9.197	11.208	11.195	19.054	
	TOTAL OBS	824	753	822	797	824	795	815	819	789	826	797	822	9683	
-11	MEAN	22.8	25.4	38.6	49.9	61.2	70.0	74.9	72.8	65.2	52.4	41.6	29.1	50.4	
	S.D.	12.899	13.171	11.996	11.728	9.577	7.055	6.089	5.532	7.973	9.184	11.160	10.484	20.565	
	TOTAL OBS	815	750	826	797	819	796	825	813	797	816	801	819	9674	
12-14	MEAN	25.9	29.5	42.9	54.2	65.2	73.6	78.7	76.8	69.7	57.3	45.4	32.0	54.4	
	S.D.	12.335	12.150	12.759	12.097	9.932	7.205	6.280	5.934	8.243	10.062	11.889	10.196	20.813	
	TOTAL OBS	806	744	822	789	820	797	819	814	795	822	791	818	9637	
15-17	MEAN	26.2	30.3	43.8	55.3	66.2	74.6	79.3	77.5	70.5	57.4	45.3	32.0	58.0	
	S.D.	12.089	12.221	13.054	11.982	9.943	7.414	6.471	5.941	8.300	10.254	12.106	10.415	21.017	
	TOTAL OBS	819	749	822	799	822	790	827	818	792	818	790	813	9659	
-20	MEAN	24.0	27.5	40.2	51.2	61.6	70.6	75.3	73.0	65.0	51.8	41.7	30.1	51.1	
	S.D.	12.670	12.815	12.345	11.412	9.680	7.644	6.327	6.125	8.273	9.652	11.417	11.023	20.281	
	TOTAL OBS	823	751	817	789	812	783	817	815	785	823	791	810	9616	
1-23	MEAN	23.1	25.4	37.3	46.8	56.1	64.9	69.3	68.0	60.4	49.2	40.3	29.3	47.4	
	S.D.	13.124	13.570	12.009	11.057	9.146	7.484	6.363	5.901	8.160	9.398	11.349	11.380	18.813	
	TOTAL OBS	817	749	820	799	813	789	815	764	758	788	787	814	9513	
ALL HOURS	MEAN	23.4	26.0	38.3	48.9	58.7	67.3	72.1	70.6	63.2	51.1	41.4	29.6	49.1	
	S.D.	13.134	13.492	12.781	12.382	10.896	9.122	8.337	7.763	9.661	10.481	11.849	11.147	20.066	
	TOTAL OBS	6530	5991	6574	6352	6546	6334	6548	6365	6180	6407	6192	6388	76409	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725246 MANSFIELD LAHM MAP OH

73-81

STATION		STATION NAME												YEARS											
HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
0-02	MEAN	21.5	22.7	32.6	40.9	49.6	58.7	63.2	63.4	56.2	44.3	36.2	27.1	43.3											
	S. D.	13.005	12.985	11.008	9.887	9.112	7.607	6.205	6.279	8.267	8.782	10.556	11.094	17.602											
	TOTAL OBS	756	684	818	755	644	780	810	717	700	719	655	719	8927											
3-05	MEAN	21.2	22.0	31.8	39.5	48.6	57.4	62.1	62.3	55.0	43.6	35.5	26.5	42.6											
	S. D.	13.233	13.330	11.288	10.093	9.182	7.847	6.586	6.572	8.590	8.873	10.508	11.029	17.467											
	TOTAL OBS	746	686	817	770	817	791	809	782	757	774	681	753	9183											
6-08	MEAN	20.1	21.0	31.8	40.1	50.4	59.5	63.8	63.5	55.7	43.3	35.7	25.8	42.6											
	S. D.	13.004	13.404	11.411	9.909	8.832	7.055	5.818	5.973	8.350	8.824	10.621	10.649	18.178											
	TOTAL OBS	819	750	822	794	822	794	814	818	787	825	797	822	9664											
9-11	MEAN	21.6	23.7	35.1	44.1	54.4	62.9	67.1	67.2	59.9	47.3	38.3	27.3	45.8											
	S. D.	12.408	12.430	10.979	9.793	8.623	6.521	5.247	5.128	7.509	8.382	10.389	9.893	18.440											
	TOTAL OBS	810	749	825	797	816	794	824	813	793	815	801	817	9654											
12-14	MEAN	24.0	26.8	37.7	46.4	56.2	64.2	68.2	68.3	61.4	49.6	40.4	29.4	47.9											
	S. D.	11.608	11.273	10.995	9.668	8.397	6.282	5.216	5.110	7.355	8.325	10.428	9.372	17.814											
	TOTAL OBS	799	743	821	789	819	795	817	812	795	821	791	818	9620											
15-17	MEAN	24.2	27.4	38.2	47.0	56.8	64.3	68.2	68.4	61.5	49.4	40.3	29.4	48.0											
	S. D.	11.309	11.196	10.800	9.405	8.176	6.282	5.128	5.062	7.370	8.411	10.495	9.615	17.724											
	TOTAL OBS	810	749	821	798	822	790	827	817	791	817	790	810	9642											
18-20	MEAN	22.5	25.4	35.9	44.8	54.2	62.8	67.0	66.9	59.4	46.4	37.8	28.2	46.2											
	S. D.	12.072	12.088	10.619	9.614	8.476	6.942	5.326	5.473	7.861	8.527	10.228	10.466	17.963											
	TOTAL OBS	781	717	814	775	811	772	815	802	781	810	759	796	9433											
21-23	MEAN	21.7	23.7	34.1	42.4	51.5	60.1	64.6	64.7	57.3	44.9	36.7	27.5	44.3											
	S. D.	12.482	12.881	10.734	9.867	8.746	7.325	5.935	5.748	8.044	8.452	10.233	10.737	17.642											
	TOTAL OBS	740	708	815	774	811	775	815	751	754	773	790	797	9265											
ALL HOURS	MEAN	22.1	24.1	34.7	43.2	52.4	61.4	65.5	65.6	58.4	46.1	37.7	27.7	45.1											
	S. D.	12.461	12.637	11.226	10.131	9.255	7.424	6.122	6.098	8.280	8.888	10.587	10.419	17.982											
	TOTAL OBS	8281	8778	8853	8254	8833	8291	8529	8312	8158	8354	8018	6332	75388											

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72°246 MANSFIELD LAHM MAP OH

73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
0-02	MEAN	17.4	17.9	27.7	36.1	46.0	56.3	61.0	61.9	54.2	40.5	32.1	22.9	39.6	
	S.D.	13.909	14.152	12.115	10.717	10.537	8.412	6.804	6.602	8.836	9.653	11.077	11.946	10.902	
	TOTAL OBS	756	684	818	755	814	780	810	717	700	719	655	719	8927	
3-05	MEAN	17.3	17.4	27.3	35.1	45.5	55.4	60.3	61.1	53.3	40.1	31.6	22.3	39.4	
	S.D.	14.273	14.483	12.426	10.658	10.417	8.442	6.985	6.911	9.106	9.777	11.053	11.889	10.815	
	TOTAL OBS	746	686	817	770	817	791	809	782	757	774	681	753	9183	
6-08	MEAN	16.5	16.9	27.8	35.9	47.0	57.0	61.7	62.1	54.1	40.1	32.2	22.1	39.5	
	S.D.	14.373	14.630	12.647	10.511	10.185	7.835	6.290	6.452	8.846	9.758	11.472	11.695	19.334	
	TOTAL OBS	819	750	822	794	822	794	814	818	787	825	797	822	9664	
9-11	MEAN	17.4	18.9	29.4	37.4	48.4	58.1	62.6	63.9	56.0	42.0	33.6	23.0	41.0	
	S.D.	13.936	13.759	12.617	10.961	10.826	8.227	6.652	6.371	8.934	9.797	11.511	11.193	19.328	
	TOTAL OBS	810	749	825	797	816	794	824	813	793	815	801	817	9654	
12-14	MEAN	18.5	20.6	30.3	37.9	48.5	58.1	62.2	63.5	55.5	42.0	33.9	24.0	41.4	
	S.D.	13.359	13.016	12.608	11.172	10.929	8.213	7.052	6.754	9.387	9.789	11.684	10.916	18.784	
	TOTAL OBS	799	743	821	789	819	795	817	812	795	821	791	818	9620	
15-17	MEAN	18.5	21.1	30.5	38.0	48.3	57.7	61.9	63.2	55.2	41.4	33.8	24.0	41.1	
	S.D.	13.034	12.934	12.106	11.203	10.867	8.424	7.186	6.852	9.697	9.957	11.672	11.252	18.624	
	TOTAL OBS	810	749	821	798	822	790	827	817	791	817	790	810	9642	
18-20	MEAN	17.7	19.9	29.4	37.3	47.6	57.8	62.1	63.3	55.3	40.7	32.9	23.8	40.9	
	S.D.	13.448	13.670	11.814	11.350	10.987	8.834	7.000	6.742	9.390	9.717	11.071	11.824	18.958	
	TOTAL OBS	781	717	814	778	811	772	815	802	781	810	759	796	9433	
21-23	MEAN	17.4	18.8	28.7	36.8	47.0	57.0	61.7	62.7	54.7	40.3	32.2	23.2	40.2	
	S.D.	13.441	14.094	11.753	11.198	10.545	8.391	6.805	6.388	8.953	9.388	10.904	11.789	18.894	
	TOTAL OBS	760	708	815	776	811	778	813	751	754	773	740	797	9265	
ALL HOURS	MEAN	17.6	19.0	28.9	36.8	47.3	57.7	61.7	62.7	54.8	40.9	32.8	23.2	40.4	
	S.D.	13.734	13.909	12.332	11.004	10.713	8.391	6.803	6.688	9.184	9.740	11.349	11.572	18.973	
	TOTAL OBS	6281	5778	6883	6254	6532	6281	6829	6312	6185	6354	6014	6332	75388	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725246

MANSFIELD LAHM MAP OH

73-81

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	98.3	93.5	78.2	54.1	22.5	80.2	759
	03-05	100.0	100.0	100.0	100.0	98.7	93.7	80.8	56.3	24.9	80.9	746
	06-08	100.0	100.0	100.0	100.0	99.5	96.7	85.3	62.9	28.7	82.9	819
	09-11	100.0	100.0	100.0	99.9	98.4	92.6	76.7	53.0	22.5	80.1	810
	12-14	100.0	100.0	100.0	99.1	94.6	80.1	59.2	35.9	11.1	74.0	799
	15-17	100.0	100.0	100.0	97.9	93.6	81.5	58.6	32.3	12.3	73.2	810
	18-20	100.0	100.0	100.0	99.9	96.8	89.8	70.6	42.4	17.0	77.0	781
	21-23	100.0	100.0	100.0	99.5	98.6	92.2	74.7	47.9	19.6	76.0	760
TOTALS		100.0	100.0	100.0	99.5	97.3	90.0	73.0	46.1	20.3	78.4	6281

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

770246

MANSFIELD LAHM MAP OH

73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.4	94.3	87.4	69.4	44.6	19.7	77.1	654
	03-05	100.0	100.0	100.0	99.1	95.9	87.6	73.0	44.8	19.2	77.8	686
	06-08	100.0	100.0	100.0	99.3	98.7	91.6	80.1	53.3	25.1	80.3	750
	09-11	100.0	100.0	100.0	99.5	96.8	88.7	70.0	42.7	17.8	77.2	749
	12-14	100.0	100.0	100.0	98.0	88.3	74.7	50.6	25.7	9.0	70.3	743
	15-17	100.0	100.0	99.9	97.2	89.2	72.9	47.0	25.5	10.5	69.7	749
	18-20	100.0	100.0	100.0	99.3	94.0	81.5	59.7	33.3	13.2	73.8	717
	21-23	100.0	100.0	100.0	100.0	96.0	87.0	68.4	39.7	16.3	76.4	700
TOTALS		100.0	100.0	100.0	99.0	94.2	83.9	64.8	36.7	16.4	75.3	5778

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725246

MANSFIELD LAHM MAP OH

73-81

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.9	99.5	93.2	85.0	62.6	36.8	10.3	74.3	818
	03-05	100.0	100.0	100.0	99.8	96.1	86.9	70.9	42.0	14.3	76.5	617
	06-08	100.0	100.0	100.0	99.9	96.4	90.0	74.7	51.0	20.4	76.8	872
	09-11	100.0	100.0	99.9	97.1	87.5	72.7	53.5	32.7	12.5	71.0	825
	12-14	100.0	100.0	97.9	90.3	74.9	53.1	34.7	20.2	7.2	63.5	621
	15-17	100.0	100.0	96.3	87.8	71.9	52.7	30.9	18.3	7.1	62.2	624
	18-20	100.0	100.0	99.0	94.5	82.8	65.0	42.9	23.1	7.1	67.0	814
	21-23	100.0	100.0	99.9	98.4	91.5	79.9	56.3	32.6	9.2	72.2	815
TOTALS		100.0	100.0	99.1	95.9	86.8	73.2	53.3	32.1	11.0	70.7	6553

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STATION NAME

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Figure 1

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72-246

MANSFIELD LAHM MAP OH

73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	98.5	94.1	82.8	68.7	52.9	23.6	77.8	814
	03-05	100.0	100.0	100.0	99.9	96.0	87.9	74.4	56.3	31.5	80.5	817
	06-08	100.0	100.0	99.9	99.8	94.4	83.6	69.6	49.9	25.9	78.2	622
	09-11	100.0	100.0	98.2	91.3	74.8	56.4	38.6	24.5	10.0	65.0	816
	12-14	100.0	100.0	95.4	79.9	56.9	38.9	26.0	15.8	4.3	57.4	819
	15-17	100.0	100.0	93.4	73.5	52.6	35.5	24.1	14.7	3.9	55.4	822
	18-20	100.0	100.0	96.8	85.3	69.1	51.3	37.1	24.5	9.2	63.1	811
	21-23	100.0	100.0	100.0	96.5	87.7	74.1	57.5	42.0	17.3	73.4	811
TOTALS		100.0	100.0	98.0	90.6	78.2	63.8	49.5	34.8	15.7	68.9	6532

USAFETAC

FORM

9-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.9	99.5	96.7	82.7	55.3	25.6	82.0	750
	03-05	100.0	100.0	100.0	100.0	99.5	98.4	90.3	67.3	34.4	85.0	791
	06-08	100.0	100.0	100.0	100.0	99.2	93.8	80.5	55.7	23.2	81.0	794
	09-11	100.0	100.0	100.0	97.7	86.0	66.4	40.9	18.5	6.2	67.3	794
	12-14	100.0	100.0	99.5	92.1	68.6	41.9	23.6	12.1	3.0	59.8	795
	15-17	100.0	100.0	99.5	87.2	58.4	35.3	20.9	11.6	4.4	57.5	793
	18-20	100.0	100.0	99.5	95.2	79.1	57.8	37.0	20.2	6.0	65.0	772
	21-23	100.0	100.0	100.0	99.7	98.8	90.3	67.1	45.2	15.0	77.4	775
TOTALS		100.0	100.0	99.8	96.5	86.1	72.6	55.4	35.7	14.7	71.9	6292

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725246

MANSFIELD LAHM MAP OH

73-81

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	98.3	84.8	56.7	21.4	32.1	610
	03-05	100.0	100.0	100.0	100.0	99.8	98.9	91.3	71.9	30.8	85.4	604
	06-08	100.0	100.0	100.0	100.0	100.0	97.1	83.2	60.7	24.7	82.3	514
	09-11	100.0	100.0	100.0	98.8	87.4	64.4	38.3	19.8	5.8	66.9	824
	12-14	100.0	100.0	99.9	92.3	65.1	37.2	21.4	10.3	2.6	58.5	817
	15-17	100.0	100.0	99.0	87.5	58.8	34.6	19.3	11.6	2.4	57.0	827
	18-20	100.0	100.0	99.9	96.2	82.1	58.2	32.8	13.9	6.3	65.1	815
	21-23	100.0	100.0	100.0	100.0	99.8	92.9	70.1	40.2	14.3	77.6	813
TOTALS		100.0	100.0	99.9	96.9	86.6	72.7	55.2	30.3	13.5	71.9	6529

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

AUE

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	96.5	78.9	33.1	86.9	717
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.3	87.1	44.0	89.1	762
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.4	83.0	41.1	88.1	919
	09-11	100.0	100.0	100.0	100.0	97.0	83.4	62.7	36.2	11.8	74.8	615
	12-14	100.0	100.0	100.0	98.0	83.3	55.5	32.4	16.1	6.2	64.6	812
	15-17	100.0	100.0	99.5	96.2	78.8	50.1	29.6	14.6	4.8	62.9	817
	18-20	100.0	100.0	99.9	99.0	93.4	81.4	57.0	31.9	9.1	72.9	802
	21-23	100.0	100.0	100.0	100.0	100.0	99.3	91.2	65.1	20.6	83.4	751
TOTALS		100.0	100.0	99.9	99.2	94.1	83.7	70.4	51.6	21.3	77.9	6312

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STATION NAME

REMARKS:

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0-97-5 (DL A)

RELATIVE HUMIDITY

77-246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81

OCT
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JULY	00-02	100.0	100.0	100.0	100.0	95.5	86.6	72.2	42.8	14.3	76.9	719
	03-05	100.0	100.0	100.0	99.7	97.2	90.4	77.3	47.5	18.2	79.0	774
	06-08	100.0	100.0	100.0	100.0	98.2	93.6	78.3	54.4	20.6	80.4	825
	09-11	100.0	100.0	99.8	98.9	88.7	68.2	43.2	27.5	11.4	69.4	815
	12-14	100.0	100.0	99.8	89.3	62.7	37.4	21.7	14.3	5.7	58.8	821
	15-17	100.0	100.0	98.3	84.6	57.5	35.3	22.9	12.7	5.3	57.4	817
	18-20	100.0	100.0	100.0	97.0	85.8	66.3	39.3	21.1	7.5	67.5	817
	21-23	100.0	100.0	100.0	99.6	92.2	81.8	59.2	30.9	11.9	73.4	773
TOTALS		100.0	100.0	99.7	96.1	84.7	70.0	51.8	31.4	11.9	70.4	6354

RELATIVE HUMIDITY

NOV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.5	99.4	96.8	90.1	73.3	42.2	11.1	77.3	655
	03-05	100.0	100.0	99.7	99.4	96.6	92.4	75.3	51.4	15.3	76.6	681
	06-08	100.0	100.0	100.0	99.6	97.1	93.4	80.6	56.6	23.1	80.6	797
	09-11	100.0	100.0	99.5	98.4	93.8	84.1	63.7	37.2	12.7	74.4	801
	12-14	100.0	99.9	98.6	92.8	81.2	62.3	42.5	22.6	7.5	66.3	791
	15-17	100.0	100.0	98.7	93.2	79.0	63.9	40.9	23.5	8.9	66.4	790
	18-20	100.0	100.0	99.6	98.4	94.9	80.9	58.2	32.4	11.1	73.0	759
	21-23	100.0	100.0	99.7	99.2	95.4	87.7	68.1	36.5	8.0	75.1	740
TOTALS		100.0	100.0	99.4	97.6	91.9	81.9	62.8	38.6	12.2	74.0	6014

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

720246
STATION

MANSFIELD LAHM MAP OH
STATION NAME

73-81
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	96.4	90.1	73.0	50.5	22.8	78.9	719
	03-05	100.0	100.0	100.0	99.3	97.5	90.7	74.2	51.1	25.8	79.4	753
	06-08	100.0	100.0	100.0	99.9	98.7	92.5	78.8	57.4	30.4	81.5	822
	09-11	100.0	100.0	100.0	100.0	97.4	88.4	70.5	49.4	22.5	78.7	817
	12-14	100.0	100.0	100.0	98.8	91.9	76.9	57.1	36.7	17.4	73.7	818
	15-17	100.0	100.0	100.0	98.6	92.7	79.1	55.8	34.4	16.7	73.6	813
	18-20	100.0	100.0	100.0	99.9	96.6	89.1	69.1	44.7	21.0	77.8	796
	21-23	100.0	100.0	100.0	99.9	97.0	90.8	70.9	45.9	21.6	78.5	797
TOTALS		100.0	100.0	100.0	99.6	96.0	87.2	68.7	46.3	22.3	77.8	6332

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

771246 HANSFIELD LAHM MAP OH

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L&T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.5	97.3	90.0	73.0	43.1	20.3	76.4	6281
FEB		100.0	100.0	100.0	99.0	94.2	83.9	64.8	36.7	16.4	75.3	5778
MAR		100.0	100.0	99.1	95.9	86.8	73.2	53.3	32.1	11.0	70.7	6553
APR		100.0	100.0	97.8	89.8	77.3	61.7	44.7	27.9	9.7	66.6	6254
MAY		100.0	100.0	98.0	90.6	78.2	63.8	49.5	34.8	15.7	68.9	6532
JUN		100.0	100.0	99.8	96.5	86.1	72.6	55.4	35.7	14.7	71.9	6291
JUL		100.0	100.0	99.9	96.9	86.6	72.7	55.2	36.3	13.5	71.9	6529
AUG		100.0	100.0	99.9	99.2	94.1	83.7	70.4	51.6	21.3	77.9	6312
SEP		100.0	100.0	99.7	97.6	91.2	80.5	66.6	47.5	17.9	76.0	6158
OCT		100.0	100.0	99.7	96.1	84.7	70.0	51.8	31.4	11.9	70.4	6354
NOV		100.0	100.0	99.4	97.6	91.9	81.9	62.8	38.6	12.2	74.0	6014
DEC		100.0	100.0	100.0	99.6	96.0	87.2	68.7	46.3	22.3	77.8	6332
TOTALS		100.0	100.0	99.4	96.5	88.7	76.8	59.7	39.1	15.6	73.3	75386

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

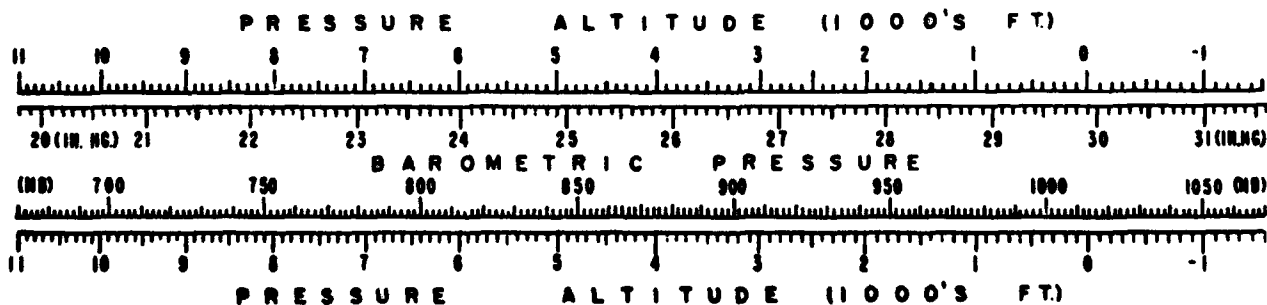
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

725246 MANSFIELD LAHM MAP OH

73-81

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN S.D. TOTAL OBS	1008.3 9.047 7		1013.0 1	998.5 2		1011.2 2	1018.7 1				1028.2 1	1002.1 2	1008.9 9.524 16
4	MEAN S.D. TOTAL OBS	1010.4 6.739 6					1010.5 3		1017.1 4.019 27	1016.2 4.921 30	1018.5 7.219 24		1003.4 2	1016.2 6.226 92
7	MEAN S.D. TOTAL OBS	1018.6 9.305 274	1019.0 9.047 250	1016.2 9.034 276	1016.9 8.209 262	1015.3 5.789 275	1016.3 5.614 266	1017.2 4.205 271	1018.7 4.023 276	1018.6 5.115 263	1019.3 7.028 273	1018.8 7.762 266	1018.5 8.752 272	1017.8 7.324 3224
	MEAN S.D. TOTAL OBS	1019.5 9.333 270	1019.6 9.445 250	1016.9 9.026 278	1017.2 8.319 265	1015.6 5.691 271	1016.7 5.597 264	1017.5 4.348 273	1019.1 3.991 267	1019.2 5.072 264	1019.9 6.997 272	1019.6 7.685 266	1019.1 8.903 274	1018.3 7.411 3214
13	MEAN S.D. TOTAL OBS	1018.3 9.431 273	1018.8 9.418 249	1016.4 8.517 274	1016.7 8.116 264	1015.1 5.420 271	1016.1 5.452 267	1017.1 4.227 265	1018.5 3.780 270	1018.5 4.825 260	1018.6 6.842 275	1018.5 7.508 266	1017.9 8.917 271	1017.5 7.226 3200
16	MEAN S.D. TOTAL OBS	1018.0 9.057 273	1018.1 9.256 250	1015.4 8.026 265	1015.5 7.828 258	1014.2 5.442 269	1015.4 5.280 261	1016.2 4.270 268	1017.6 3.859 275	1017.3 4.715 267	1018.1 6.594 271	1018.0 7.356 261	1017.7 8.760 271	1016.8 7.048 3189
9	MEAN S.D. TOTAL OBS	1015.6 4.840 5	1015.3 4.840 3	1002.2 4.173 2	1002.4 3.851 6	1007.8 4.287 9	1011.4 3.346 22	1012.4 4.462 12	1013.9 4.462 11	1008.2 3 3	1018.9 1 1		1006.9 2	1010.8 5.782 76
2	MEAN S.D. TOTAL OBS	1013.9 6.284 5	1009.9 1 1	1003.0 1 1	1001.2 3 1	1017.0 4.943 1	1009.2 8 3	1015.7 1013.7 2		1025.0 1			1003.7 2	1010.5 6.927 27
ALL HOURS	MEAN S.D. TOTAL OBS	1018.4 9.300 1113	1018.8 9.303 998	1016.2 8.686 1097	1016.4 8.249 1040	1015.0 5.619 1098	1016.0 5.580 1093	1017.0 4.298 1093	1018.4 3.986 1128	1018.3 5.889 1087	1019.0 6.890 1117	1018.7 7.595 1040	1018.2 8.893 1096	1017.5 7.293 13035

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

725246 MANSFIELD LAHM MAP OH

73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	28.618	28.641	28.589	28.608	28.583	28.625	28.655	28.700	28.690	28.676	28.663	28.632	28.638	
	S.D.	.253	.232	.222	.220	.150	.143	.112	.102	.131	.181	.204	.231	.192	
	TOTAL OBS	274	246	274	260	274	263	271	248	234	240	236	242	3070	
4	MEAN	28.620	28.633	28.573	28.601	28.572	28.615	28.648	28.688	28.677	28.670	28.659	28.637	28.632	
	S.D.	.258	.239	.234	.223	.154	.150	.114	.106	.134	.186	.208	.233	.194	
	TOTAL OBS	269	247	278	266	274	267	269	275	267	263	236	242	3153	
7	MEAN	28.629	28.645	28.589	28.624	28.596	28.638	28.668	28.708	28.695	28.693	28.666	28.639	28.649	
	S.D.	.249	.240	.243	.224	.159	.155	.116	.109	.139	.191	.211	.236	.199	
	TOTAL OBS	272	252	276	264	274	266	271	276	262	272	266	271	3222	
10	MEAN	28.652	28.664	28.608	28.635	28.606	28.649	28.678	28.722	28.712	28.713	28.691	28.655	28.665	
	S.D.	.259	.252	.246	.228	.157	.155	.120	.109	.137	.192	.209	.241	.202	
	TOTAL OBS	271	249	278	265	271	264	272	270	267	271	266	273	3217	
13	MEAN	28.625	28.648	28.597	28.621	28.593	28.634	28.669	28.707	28.694	28.685	28.664	28.624	28.640	
	S.D.	.255	.252	.231	.224	.150	.151	.116	.105	.132	.188	.206	.242	.194	
	TOTAL OBS	272	243	275	263	271	266	271	268	263	275	265	273	3205	
6	MEAN	28.615	28.624	28.570	28.591	28.569	28.614	28.644	28.678	28.662	28.666	28.647	28.618	28.623	
	S.D.	.249	.246	.220	.214	.148	.146	.116	.105	.127	.183	.201	.238	.192	
	TOTAL OBS	274	250	274	266	275	262	274	275	267	272	261	271	3221	
9	MEAN	28.635	28.636	28.580	28.598	28.568	28.604	28.639	28.677	28.664	28.678	28.661	28.634	28.631	
	S.D.	.242	.240	.213	.213	.146	.147	.114	.103	.129	.180	.199	.235	.189	
	TOTAL OBS	273	252	271	264	269	264	272	272	263	276	262	271	3204	
2	MEAN	28.643	28.643	28.593	28.617	28.588	28.624	28.657	28.697	28.683	28.689	28.668	28.638	28.644	
	S.D.	.242	.233	.214	.213	.148	.144	.108	.101	.128	.183	.200	.231	.188	
	TOTAL OBS	266	251	270	267	272	266	275	246	265	273	264	271	3188	
ALL HOURS	MEAN	28.630	28.641	28.587	28.612	28.584	28.620	28.657	28.697	28.682	28.684	28.663	28.635	28.641	
	S.D.	.251	.242	.228	.228	.152	.149	.118	.106	.133	.186	.205	.236	.195	
	TOTAL OBS	2171	1998	2196	2118	2188	2120	2175	2130	2088	2150	2054	2114	25485	

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8